

The



CHEMIST AND DRUGGIST

For Retailer, Wholesaler and Manufacturer

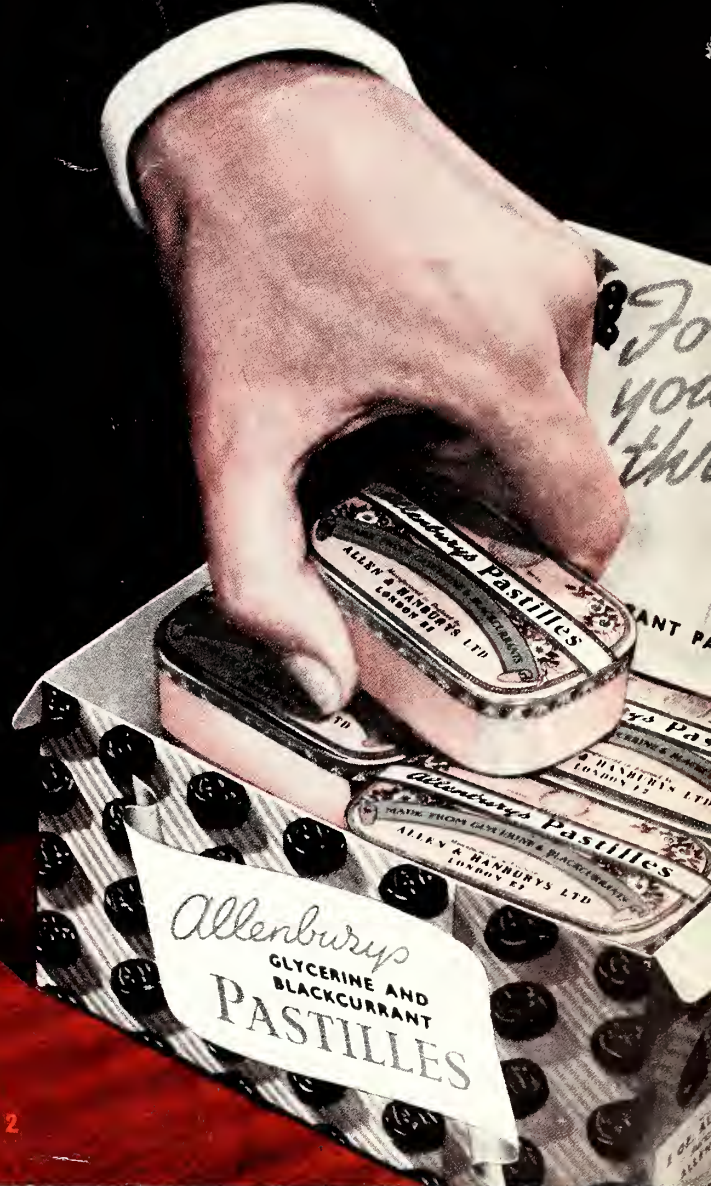
MARCH 1 1958

Allenburys PASTILLES



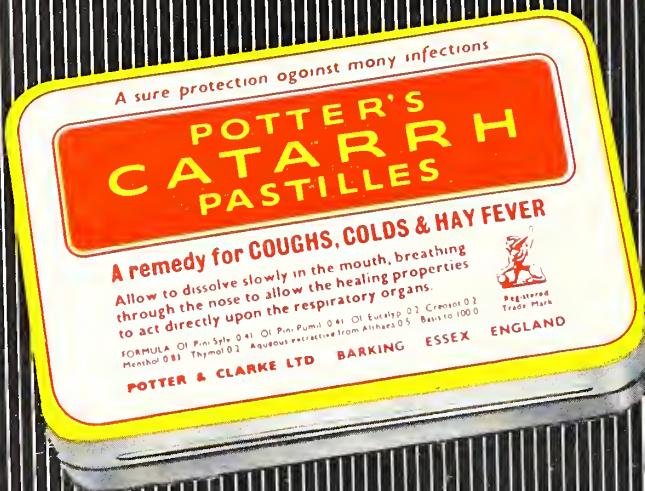
a quick turnover

**still
the public
choice**



ADVERTISED

week after week
on T.V. and in the Press



Retail 2/- a tin
Trade 13/6 a dozen

Potter's CATARRH PASTILLES

with the famous 'fighting formula'

ADVERTISING BOOSTS SALES

Potter's Catarrh Pastilles are being advertised throughout the winter on a scale that will bring them before the public in millions of homes. T.V. with its vast influence is being used on all four main channels as a regular Saturday feature. Other areas not covered by T.V. are being supported by sustained local Press advertising. Why not check your stocks now!



An Ideal Counter Display

This eye-catching display outer to hold 1 dozen tins of Potter's Catarrh Pastilles makes a fine counter attraction for impulse buying.

Also POTTER'S CRYSTALLISED CATARRH PASTILLES

made specially for those who prefer a 'sugary' taste. Firm favourites with children.



Physicians therefore specify

Calcium B-PAS WANDER

and

B-Pasinah WANDER

in the domiciliary

Chemotherapy of Tuberculosis

B-PAS (Wander), 4-benzoylamino -2-hydroxybenzoic acid, first introduced by our Research Laboratories in 1948, is the drug of choice in regimens comprising PAS in concurrent therapy.

In the form of its calcium salt, it induces only minimal side-effects as compared with sodium PAS, and because of its high acceptability guarantees as far as possible that domiciliary patients take their medication.

CALCIUM B-PAS (Wander)

Powders: Tins of 150 and 400 x 3.5 g. envelopes
Cachets: „ „ 80 and 400 x 1.0 g.

Also available: Sodium B-PAS (Wander)
in 1.5 g. Cachets.



'B-PASINAH' (B-PAS plus Isoniazid)

Powders: Calcium B-PAS (Wander) 3.5 g.
Isoniazid 87.5 mg.
Tins of 150 and 400

Cachets: Calcium B-PAS (Wander) 1 g.
Isoniazid 25 mg.
Tins of 100 and 500

Price details of all forms of PAS from the Medical Dept.

All Wander tuberculostatic products are available from usual wholesalers or direct from

A. WANDER LIMITED, 42 UPPER GROSVENOR ST., GROSVENOR SQ., LONDON W.1



FIVE

facts

about

Dettol

Dettol is active against both Gram-positive and Gram-negative micro-organisms.*

It is non-poisonous, non-corrosive and non-staining.

It is well tolerated on the skin and tissues in high concentrations.

It retains a high degree of efficiency in the presence of organic matter.

It is compatible with soap.

**Under standard conditions of test a 1 in 100 dilution kills Staph. aureus —and a 1 in 500 dilution kills Strep. pyogenes —in ten minutes.*



Bacteriological data and other Dettol literature available from Reckitt & Sons Limited, Pharmaceutical Department, Hull.

A Poser for Mr. Smith



"A towel which gives women extra comfort, gives me regular sales and extra discounts?"

"Yes, Mr. Smith."

"And you say there are many other chemists selling them and doing well with them?"

"Exactly, Mr. Smith."

"And yet here I am missing a first-class selling line?"

*"Seems so, Mr. Smith (if I may say so respectfully).
And missing the discounts, too. . . ."*

"Extra comfort and extra discounts! Just say the name again, will you?"

"Silcot, Mr. Smith. Women who know what they are talking about (include me, if you like) have a very high opinion of their comfort."

A QUALITY TOWEL
FOR THE PHARMACY SILCOT



MACDONALD & SON LTD. of MANCHESTER & LONDON

Portland Mill, Ashton-under-Lyne, Lanes. 25 Holywell Row, London, E.C.2.
Telephones: Ashton-under-Lyne 4422 (10 lines). London Bishopsgate 4809 (2 lines).

furadantin

REGD.

'FURADANTIN' continues to be heavily publicised to the medical profession and you will be receiving an increasing number of prescriptions for this chemically unique urinary antiseptic. Supplies are available from your wholesalers in containers of 25 and 250 tablets.

'FURADANTIN'

is manufactured by a Registered User of the trade mark under licence from the Norwich Pharmacal Company (Eaton Laboratories Division).

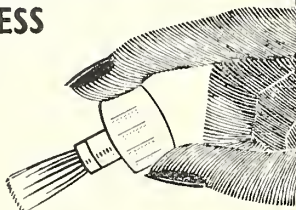
DUNCAN FLOCKHART OF EDINBURGH



First ever!

To be launched by . . .
T.V. ADVERTISING (COMMENCING LONDON)
 and **NATIONAL PRESS**

LAUNCHING
 NOW BEGINS 31st MARCH
 . . . so that demands by Retailers
 will be met before that date.



“No Soaking” liquid denture
 cleanser with its own hygienic

Brush-cap!

**CROWNER ATTACHED TO EACH
 BOTTLE TO DEMONSTRATE NEW
 BRUSH-CAP OFFERS RETAILERS A
 SPACE SAVING AND EFFECTIVE
 DISPLAY**



Retail Price
2/8¹/₂
 Complete



Apply direct
 for BRUSH-
 CAPS to fit
 your existing
 stocks of large
 bottles.

LIQUID DENTURE CLEANSER
 NOW in a BRUSH-CAP bottle for easy use
YOUR PROFIT 33¹/₃%



Price to Retailers
 2 oz. Bottle 18/- per doz.
 Plus 30% P.T.

ORDER NOW from your Wholesaler TO MEET DEMANDS
 THE ODEDENT COMPANY • WALTON-ON-THAMES • SURREY • ENGLAND

BURROUGH'S
ABSOLUTE ALCOHOL
 JAMES BURROUGH LTD. 1 CALE DISTILLERY LONDON S.E.11

TRADE **‘VERLOG’** MARK
SURGICAL ELASTIC HOSIERY
 Belts, Trusses, Suspensory Bandages, etc.
ATHLETIC SUPPORTS
 Knee Caps, Anklets, Jockstraps
THOS. GLOVER & SON, LTD., CARLTON, NOTTINGHAM
 Tel.: 58227 (2 lines). *Grams: Verlog, Nottingham

For the past sixty years
BOX'S INDIGESTION PILLS



have earned a good
 name as a Family
 Remedy and have
 built sound profit for
 the Chemist.
 P.A.T.A. Retail Prices
 1/7, 3/8, 6/-, 13/9, and 25/-
 (incl. tax).
W. H. BOX,
 47 COBOURG STREET, PLYMOUTH

Synfoam SUPER
 HONEYCOMB ALL-PURPOSE
SPONGE FULLY SYNTHETIC

STANDARD SIZE (Approx. 5"x3¹/₂"x1¹/₂") Retail Price 2/11
 LARGE SIZE (Approx. 5¹/₂"x3¹/₂"x1¹/₂") Retail Price 3/11
 USUAL DISCOUNTS

Each Sponge in a 3-coloured transparent sleeve—Each dozen
 in 4-coloured show carton—12 dozens in Cardboard Box.
 Obtainable from YOUR USUAL WHOLESALER or contact:
FLETCHER & FARLOW LTD., Finsbury Court,
 Finsbury Pavement, London, E.C.2. Tel: MONarch 6810

"SYNFOAM SUPER" SELLS ON SIGHT!

QUEEN 

Non Allergic
BEAUTY PRODUCTS
 THE SAFETY FACTOR IN
 EVERY DAY MAKE-UP

Queen beauty products form a complete range
 of toilet and beauty preparations, including
 lipsticks, specially for those women who
 have sensitive skins. Queen products con-
 tain no orris in any form, nor any other
 skin irritants AND ARE RECOMMENDED
 BY THE MEDICAL PROFESSION.

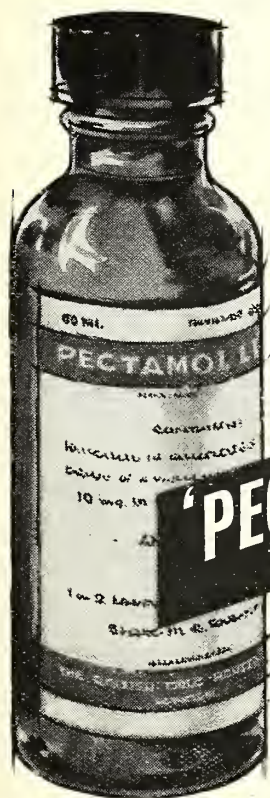
Obtainable from your Wholesaler
 or direct from . . .
BOUTALLS CHEMISTS LTD.
 60 Lams Conduit St., London, W.C.1



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Something new in cough suppressants

The discovery of oxeladin citrate in the B.D.H. Laboratories marked a new approach to the cough problem. Its action is to depress the activity of the cough centre in the medulla without hypnotic action on the higher centres. Oxeladin citrate is the active substance in



'PECTAMOL'
TRADE MARK
LINGTUS

'TUSSIMOL'
TRADE MARK
COUGH PASTILLES

	TRADE	RETAIL
Bottle of 60 ml.	2/6	3/9
Bottle of 250 ml.	8/9	—
Bottle of 2 litres	56/1	—

Exempt from Purchase Tax.

TRADE: 23/9 per doz. tins (in display
outers containing six tins).
RETAIL: 2/8 *exempt P.T.*
BONUS: two tins with every dozen.
Reduced prices for quantity purchases.
A showcard is available.

THE BRITISH DRUG HOUSES LTD · LONDON

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Bronnley

BIG NEWS for ALL AGENTS

Heavy demands on the hands these days promote a heavy demand for a proved, soothing and beautifying Hand Lotion.

*Here it is
in the Giant size
Bronnley bottle*

*In four fragrances: LEMON · LAVENDER
ROSE GERANIUM and ENGLISH FERN*

LONDON, W.3



Retails
8/6



STAMINA

5% DISPLAY BONUS

17TH FEBRUARY – 29TH MARCH

The STAMINA special Display Bonus will apply to all Bonus products ordered from NOW until the 29th March and is in addition to your normal profit margin.

BONUS PRODUCTS	RETAIL PRICE	PACKS PER CASE	
STAMINA Dog Food (All-Meat & Liver)	1/1	36 tins	
JIFFY Dog Food	9d.	36 tins	
JIFFY Dog Food	1/4	24 tins	
PAWS	1/-	36 tins	
STAMINA "Full-O-Meat" Dog Biscuits	1/3	12 cartons	
STAMINA "Full-O-Meat" Dog Biscuits	3/6	12 x 3 lb. cotton bags	
STAMINA Mixed Rounds	1/-	12 packets	
STAMINA Mixed Rounds	3/-	12 x 3 lb. cotton bags	
STAMINA Terrier Biscuits	3/-	12 x 3 lb. cotton bags	
STAMINA Meat Cakes	3/-	12 x 3 lb. cotton bags	
STAMINA "Constitution" Meal	Hound	1/-	36 packets
	Terrier	1/-	36 packets
	Puppy	1/-	36 packets
STAMINA "Constitution" Meal	Hound	3/-	12 x 3 lb. cotton bags
	Terrier	3/-	12 x 3 lb. cotton bags
	Puppy	3/-	12 x 3 lb. cotton bags
STAMINA Blended Meal	Large	1/-	36 packets
	Medium	1/-	36 packets
	Small	1/-	36 packets

STAMINA FOODS ARE MARKETED TO THE PHARMACEUTICAL TRADE BY

**A. & R. SCOTT LIMITED, DIETETIC DIVISION,
10 VICTORIA ROAD, LONDON, N.W.10**

Maw's are now



The whole range of Maw's eligible products, including the following, have been approved and accepted for inclusion in the C.F. list.

ALL MAW'S SURGICAL DRESSINGS (wrapped or cartoned)

Maw's Acriflavine Jelly

- „ **Acriseptine**
(double-action healing cream)
- „ **Baby Cream**
- „ **Baby Powder**
- „ **Bicarb. of Soda B.P.**
- „ **Boracic Acid Crystals B.P.**
- „ **Borax Powder B.P.**
- „ **Cold Sore Ointment**
- „ **Epsom Salts B.P.**
- „ **Fullers Earth Powder**
- „ **Glauber Salts B.P.**
- „ **Golden Eye Ointment**

Maw's Hematrix Ointment

- „ **Hematrix Suppositories**
(treatment for hæmorrhoids)
- „ **Menthol Snuff**
- „ **Nadecon Decongestant**
- „ **Naphthionin**
(injectable hæmostatic)
- „ **Reazide**
(Cyanacetic Acid Hydrazide)
- „ **Senna Pods**
- „ **Tancolin**
(Children's Cough Linctus)
- „ **Thrombin Topical (Maw)**
- „ **Thromboral**
- „ **Thromboplastin**

In addition, all the other famous products identified by Maw's house-mark, but which are not eligible as C.F. lines, are obtainable

FROM CHEMISTS ONLY



SENSATIONAL

6oz
~~4¹/₃~~

NOW ONLY

3¹/₁₁



12oz
~~7¹/₁₁~~

NOW ONLY

7¹/₃

Greater VALUE than ever

COSTS DOWN AGAIN

SEE
NEXT
PAGE

FLORET THE INSECTICIDE AEROSOL
 success of the last 2 years
 IN 6 DELIGHTFULLY FRAGRANT PERFUMES
 Lilac · Gardenia · Jasmin · Carnation · Bouquet · Lavender

- ★ The knock down AEROSOL INSECTICIDE containing three powerful Insecticides: GAMMA B.H.C. (Lindane), PYRETHRUM and BUCARPOLATE (B.C.P.). Increased Pyrethrum content. **FLORET** is a deadly Insecticide yet safe and harmless to humans and animals.
- ★ Does not contain Butane. Contains I.C.I. Arceton Gas 6 and 9.
- ★ Non - inflammable. Guaranteed. Beautifully packed. **GREATER VALUE THAN EVER.**

6 oz. Size	3/11	Retail		12 oz. Size	7/3	Retail
Cost 34/- doz. (Tax Free)			Cost 63/- doz. (Tax Free)			

HAZE AIR PURIFIER AEROSOL
 GERMICIDAL YET DELIGHTFULLY PERFUMED

- ★ Kills all odours and freshens the air.
- ★ Reduces the spread of airborne infection.
- ★ For use in : Bathroom Toilet Kitchen
 Workshop Office Factory
 Shop Hotel Hospital
 Sickroom Cinema Church
 Everywhere in the home

6 oz. Size	3/11	Retail		12 oz. Size	7/3	Retail
Cost 34/- doz. (Tax Free)			Cost 63/- doz. (Tax Free)			

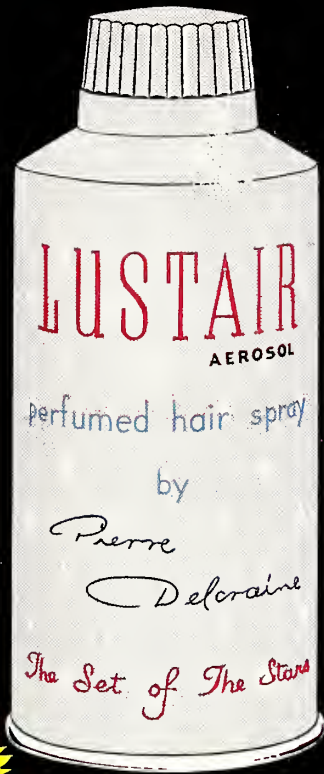


WOR
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ORDER NOW!

ALL ORDERS WILL BE IN STRICT ROTATION

POINT OF CARDS SUPPLIED



LUSTAIR A Wonderful Non-Sticky Hair-Set Aerosol Spray

BEAUTIFULLY PERFUMED - SENSIBLY PRICED

- ★ LUSTAIR has taken two years to test and formulate.
- ★ LUSTAIR will not clog the hair but leaves it soft and silky so that it can be combed without effort, makes it easy to manage and more glamorous than ever before.
- ★ Fitted with the marvellous NEW VALVE, giving only a 9-inch controlled projection.
- ★ Your customers will appreciate your recommendation. They will come back for more and more.

6 oz. Size

7/11

Retail

Cost 40/- doz.
(Tax 36/- doz.)

Salon Size
20 oz. Size

15/-

Retail

Cost 6/3 each
(Tax 5/7½ each)

SUN TANNING SPRAY

Another AEROSOL winner

- ★ Promotes a lovely tan, protects from harmful sun rays, prevents burning.
- ★ Contains the wonderful sun screen BA 50, which has been tested in this formulation in Aerosols for the last two years.
- ★ Insect repellent incorporated.

YOU MUST ORDER THIS !!!

6 oz. Size

5/9

Retail

Cost 40/- doz.
(Tax 12/- doz.)



BEST
ST
ND
ING
S

OWNERS AND SHOW-
IN FULL COLOUR
LL ORDERS



**ORDER
FORM
NEXT
PAGE**

We advise you to order immediately for delivery whenever you wish and below is an order form which may be posted direct to us but in certain areas we ask you to post direct to our agents all of whom hold large stocks for your convenience

London, Greater London & Home Counties

H. R. CAMISH
 " Ennore "
 London Road
 Abridge
 Romford, Essex
 Telephone: Theydon Bois 2284

Scotland

W. & H. ANDERSON (Agents) LTD.
 534 Sauchiehall Street
 Glasgow
 Telephone: DOUGlas 3106

Northern Ireland

WM. C. KNOX
 11 Corporation Street
 Belfast
 Telephone: Belfast 22978

Eire

MAY ROBERTS (IRELAND) LTD.
 Grand Canal Quay
 Dublin, C.6
 Telephone: Dublin 71841 (18 Lines)

Prices quoted in this advertisement do not apply to EIRE
 Messrs. MAY ROBERTS LTD. will be pleased to supply details

POST THIS NOW AND AVOID DISAPPOINTMENT, REMEMBER ALL ORDERS WILL BE IN STRICT ROTATION

MINIMUM DIRECT ORDERS - 2 DOZ. (Assorted Lines may be ordered)

Direct orders to Sole Distributors:

ULTER (BRADFORD) LTD., 12 BANK STREET, WIBSEY, BRADFORD, 6, YORKSHIRE

Cut here

ORDER

FLORET B.H.C. Gammexane - Pyrethrum
INSECTICIDE

6oz.(3/11) | 12oz.(7/3)

Lilac

Lavender

Jasmin

Gardenia

Bouquet

Carnation

HAZE Air Purifier

6oz.(3/11) | 12oz.(7/3)

LUSTAIR Perfumed Hair Set

6oz.(7/11) | Salon Size 20oz.(15/-)

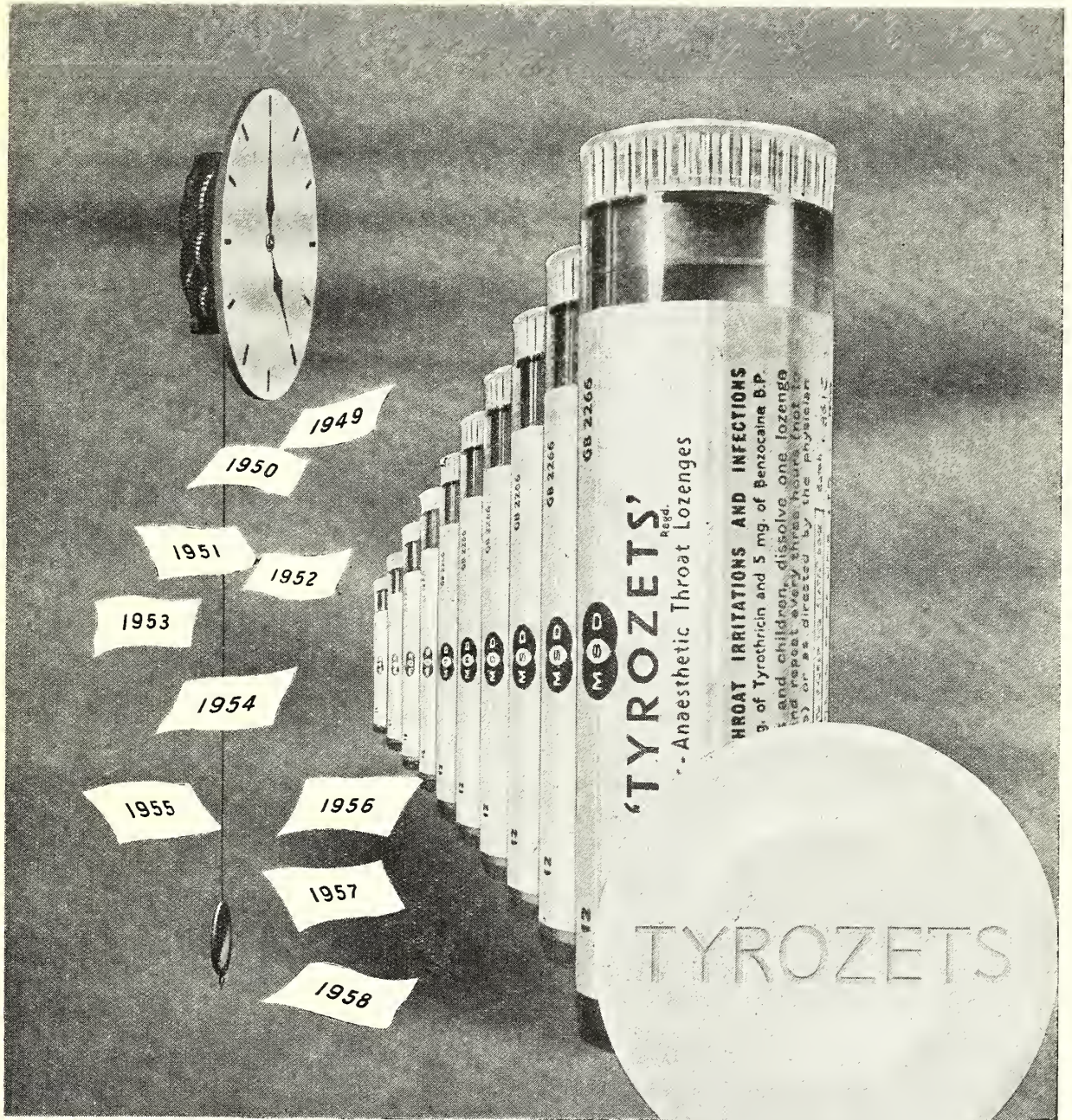
SUN TANNING SPRAY

6oz.(5/9)

Name

Address

Please deliver
 (state delivery month)



Proven reliability

Over the years, many millions of cases have proved the value of 'Tyrozets'. Tyrothricin, being used only topically, is a safe antibiotic; it combats throat infections effectively. 'Tyrozets' give immediate relief—pain subsides in seconds. And in times of epidemics the prophylactic application of 'Tyrozets' is a point worth remembering.

'Tyrozets' are supplied in special plastic vials of 12 lozenges, in convenient counter boxes of 12 vials. 'Tyrozets' retail at 2/6d per vial and can be sold by Pharmaceutical Chemists without a prescription.

'TYROZETS'
THROAT LOZENGES

TRADE MARK

MERCK SHARP & DOHME LIMITED, HODDESDON, HERTS



ANTIBIOTIC HAZARDS

"If lactobacilli can be established, they will certainly make it hard for staphylococci to take charge". *Lancet* Leading Article i (1954) 968

Enpac REGD. TRADE MARK, produced after years of research, establishes lactobacilli of solely human origin in the intestine.

Restoring the balanced gut flora

ENPAC is a new and unique preparation of antibiotic-resistant strains of *Lactobacillus acidophilus* in a vehicle of the vital growth factors necessary for the strains to become established and multiply in the human gut. When administered during oral antibiotic therapy, these strains replace the intestinal strains of *L. acidophilus*, and an important part of the bacterial flora is maintained intact. There is substantial evidence which has proved that ENPAC can also be highly beneficial in certain intestinal disorders.

Extract from Lancet article on clinical trials at Bristol :

Enpac

Enpac which is a registered trade mark is available in hermetically sealed containers of 60 grammes. Retail Price 26/-. inc. 4/4 P. Tax. Usual Trade Discount of 33½%

"It was found that the staphylococci increased in both groups at the beginning of antibiotic therapy. Staphylococci continued to increase in the patients taking the antibiotic alone, but in those taking Enpac there was a pronounced drop in numbers following the initial rise. Simultaneously, in this latter group the lactobacilli were rapidly established and continued to multiply. This followed the elimination of the normally non-resistant lactobacilli by the antibiotic during the early days of treatment." (*Lancet*, 1957, i, 899)

Literature will be sent to pharmacists on request.

Developed by Aplin & Barrett, Ltd., Biologicals Division.
Distributed by: LLOYD - HAMOL LTD.
11, Waterloo Place, London, S.W.1. WHITEhall 8654/5/6



It's sensational!

It's electrifying!

It's another Gala success!

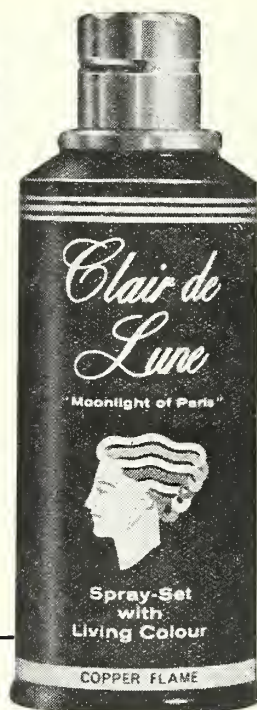
It's the breathtaking new

carmine lip and nail colour

Make sure you get Gala's
brilliantly colourful show
material. It's available
in various sizes for all
types of displays.

NEW BIG PROFITS

with Clair de Lune the new Spray-Set from Paris with 'Living-Colour'



*Highlight-tints hair, Sets curls Instantly
Holds Hair-do Softly for hours*

CLAIR DE LUNE from Paris sprays an exciting new shade of "Living Colour" on to the hair at the touch of a button! Not just an ordinary hair spray: not just a sticky lacquer—Clair de Lune is a hair beautifier which comes in 5 glamorous shades of "Living Colour". It comes, too, in a Natural, with a tintless "Sheer Sheen", which intensifies

and highlights the natural colour of the hair. What is more, the perfected silicone action of this fabulous new product "weatherproofs" the hair. Clair de Lune also contains vitamins and "satinizing lanolin" that recondition the hair, as it adds new colour and new curl control. And it's superbly perfumed—as only Paris knows how!

*Clair de Lune perfumed
Spray-Set in 5 shades of
"Living Colour"*

SABLE ROYAL	PURE GOLD
COPPER FLAME	BLACK STARLIGHT plus
BLUE DIAMOND	NATURAL (Tintless) SHEER SHEEN

GUARANTEED SALES PLUS BIG BONUS

Normal Trade Price 78/9 per doz.

(Plus 70/10½d. per dozen Purchase Tax)

Consumer Price . . . 15/9 each

ON THE BONUS TERMS

YOUR PROFIT IS £2.9.2½ ON EVERY DOZ.

Every dozen Clair de Lune you order now will be sent out as 13 full bombes (assorted 2 Sable Royal, 2 Pure Gold, 2 Copper Flame, 2 Blue Diamond, 2 Natural with "Sheer Sheen" and 3 Black Starlight) and one dummy bombe for you to use with the display material included.

They will be sent on a **GUARANTEED SALE** basis and **INVOICED AS 12 UNITS ONLY**, in anticipation of your retaining them all. If, later on, you wish to return any to us you may do so at any time up to 31st May, 1958 when they will be credited, less the one Bonus Unit.

Sole Distributors:

FASSETT & JOHNSON LIMITED

86 CLERKENWELL RD., LONDON, E.C.1 • 139 BATH ST., GLASGOW, C.2.

NEW, NEVER-BEFORE HAIR MARKET

Never before has the combined demand of the 2 most massive, most profitable hair product markets—for Setting and Tinting—been met by one solitary product. With this sensational 2-in-1 appeal, Clair de Lune Spray-Set with "Living Colour" sells to the greatest hair product market ever at a profitable 15/9d.



NEW, NEVER-BEFORE 'LIVING COLOUR' ADVERTISING

Beautiful, full colour advertisements sell Clair de Lune for you—in VOGUE, WOMAN, WOMAN'S OWN, and WOMAN & BEAUTY. Clair de Lune will also be demonstrated on the screens of millions of I.T.V. homes. And the display material is superb!



Specialists in compounding
successful pharmaceutical
advertising

Intercontinental Marketing Services Limited takes pleasure in announcing the opening of their London offices in St. James's Place.

I.M.S. has been created specifically as a specialist organization to serve manufacturers of pharmaceutical and allied scientific products. Its range of services includes the complete development and execution of advertising programmes. Comprehensive market advisory service including the compilation of market research data will also be provided.

As a member of a closely knit international organization, I.M.S. is in an ideal position to provide service in the export as well as the home market.



INTERCONTINENTAL MARKETING SERVICES LTD *Inc. Ireland*

I.M.S. 28 St. James's Place, London, S.W.1. Telephone: MAYfair 6636

I.M.S. 258

SOLO

ADVERTISING CAMPAIGN

**covers TV – ALL NETWORKS
NATIONAL & PERIODICAL PRESS
AND LARGE OUTDOOR SITES
for all their quality products—**

- ★ SOLO (CF) ★ SOLO SQUASHES
- ★ SOLO NATURAL LEMON JUICE
- ★ SOLO DIABETIC SQUASH



It's the quality chemists prefer...

SOLO ORCHARDS LTD · TOTTERIDGE LANE · LONDON · N.20 · HILLside 6641 (3 lines)

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Bottles 13/- per dozen + 30% P.T.

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THIS NEW I.C.I. Bonus Offer applies to all orders for I.C.I. Aerosol Insect Spray received before APRIL 30th. Send your orders in early to qualify for 5% extra discount on the trade prices below:



PACKS	PRICES	
	RETAIL EACH	TRADE DOZ.
5 oz. (minimum 1 doz.)	5/6	46/2
12 oz. (minimum ½ doz.)	10/6	88/2
20 oz. (any quantity)	17/6	147/-

Please note minimum quantities on 5 oz. and 12 oz. packs to qualify for Bonus Terms.

The outstanding effectiveness of I.C.I. Aerosol Insect Spray is due to the combined activities of three powerful insecticides: gamma BHC, pyrethrin and piperonyl butoxide. Together, they make I.C.I. Aerosol Insect Spray a safe but deadly insecticide, lethal to flying insect pests of all kinds, yet harmless to human beings and animals.

Advertisements will appear in the summer issues of leading women's magazines. Counter leaflets, showcards and crownors available for your own window displays.



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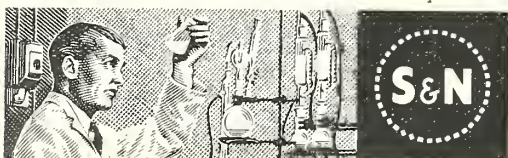
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SMITH & NEPHEW
PHARMACEUTICALS LTD.
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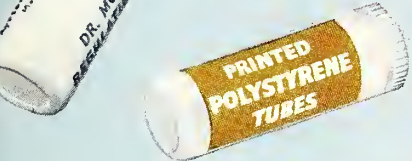
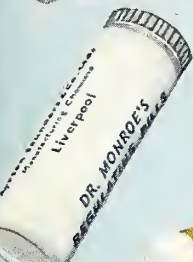
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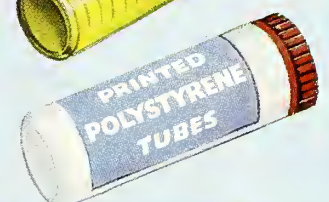
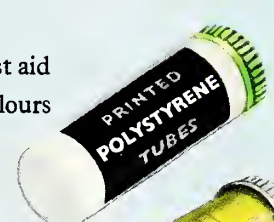
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The *colour printed* polystyrene tube is the latest aid to the sale of tablets. Direct printing in two colours on the surface of the tube replaces labelling entirely, and the tube presents an extra smart and attractive appearance on the sales counter. Polystyrene tubes are tough and light. Each is effectively sealed by a one-piece polythene stopper, easy to remove and easy to replace. For additional sales-appeal a wide range of coloured stoppers is available. Please ask today for samples and further details.



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NOW BEING INTRODUCED IN THIS COUNTRY

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Clinically tested and recommended for:

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Treatment seems to have a detoxicating effect and to stimulate self-healing factors of the body.

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With your own choice of any two dozen or six dozen from the wonderful new range of Barnet fashion models and lightweight sun glasses, you can get one of these **FREE** dispensers. There is a wide selection selling from 2/- to 10/- or if you prefer, Barnet have carefully worked out suggested ranges up to 5/-, 7/6 and 10/- retail. Ask your wholesaler to show you the exciting new 1958 dispenser styles and inexpensive carded lines.



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FERROMYN *For the treatment of iron deficiency anaemias, particularly during pregnancy. Ferromyn contains ferrous succinate, an organic iron salt which can be absorbed into the system with minimal toxic effects. Dosage: 1 teaspoonful/tablet t.d.s. or as prescribed. Packs: 4-oz., 20-oz., 40-oz., 80-oz. Bottles: 100 tablets, 1,000 tablets.*

CICATRIN *An amino acid antibiotic cream or powder with the dual effect of controlling local infection and stimulating the growth of new tissue. Indicated for the treatment of superficial wounds, burns, varicose ulcers, rectal surgery and pyogenic skin conditions. Packs: 15 gramme collapsible tube. 15 gramme sprinkler.*

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POLYBACTRIN *The first-ever antibiotic powder spray. A combination of antibiotics which do not induce resistant strains are dispersed in ultra-fine powder form to secure bacterial inhibition over a wide area and ensure immediate contact with any wound pathogens. Indicated for all branches of surgery and for use on any broken tissue surface as prophylactic or treatment.*

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and meet the requirements
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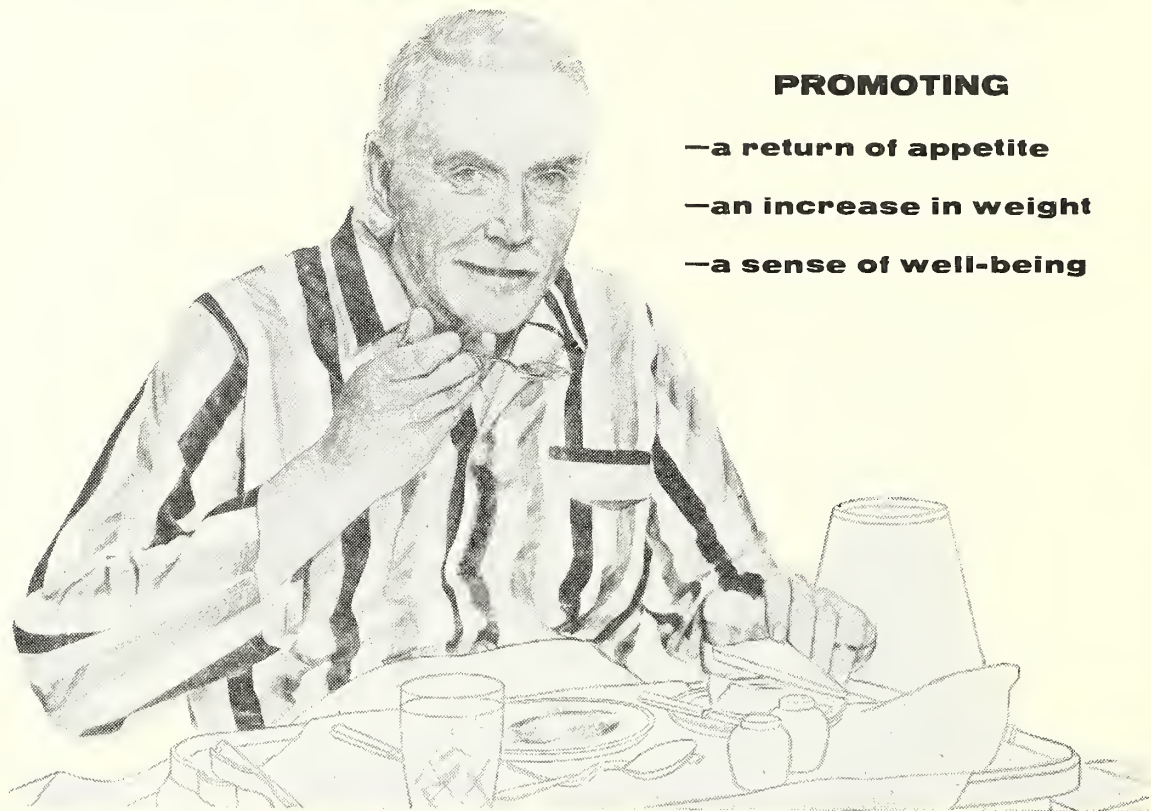


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For the patient who just doesn't get well



PROMOTING

- a return of appetite
- an increase in weight
- a sense of well-being

with **Anabolex**, the protein-anabolizing, non-virilizing steroid

PATIENTS who are run down or who are recovering from illness frequently suffer from faulty protein metabolism. They are in negative nitrogen balance. Protein, in effect, is being broken down and lost faster than it is being built up.

Anabolex (androstanolone) restores the physiological balance. Many clinical trials have shown that, following the administration of Anabolex, there is an immediate return of the body's capacity to build up protein. The patient feels better, eats better and gains weight.

Here, then, is a physiological "tonic" with a wide therapeutic range. The weakness, lassitude, lack of energy and interest associated with many pathological states may be rapidly overcome by the administration of Anabolex.

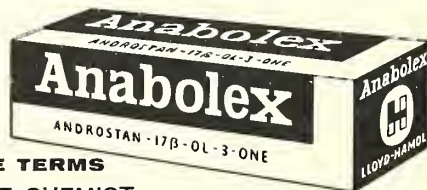
Anabolex can be safely given to patients of all ages and both sexes; in therapeutic doses, its virilizing properties are almost negligible. The only known contra-indication is prostatic carcinoma.

INDICATIONS :

Middle-aged or elderly people who are debilitated or "run down."

Preparation for and recovery from planned surgery. Convalescent patients. Premature infants. The child or adolescent who is under weight. Anorexia. Asthenia. Malnutrition. Wasting diseases.

PRESENTATION: In vials of 25 and 100 tablets, each tablet containing 25 mg. Androstanolone. Anabolex should be supplied on prescription, (prescribable on Form E.C. 10.)



TRADE TERMS

TO THE CHEMIST

20/- plus 6/- P.T. per 25 tablets
70/- plus 21/- P.T. per 100 tablets

RETAIL 36/- per 25 tablets. 126/- per 100 tablets

On March 3rd

this compelling new colour in the Yardley lipstick range will be available to you.

It will be introduced to women by exceedingly attractive pages in full colour in women's magazines, and with black and white advertisements in the national press.

A new colour by Yardley always makes news!

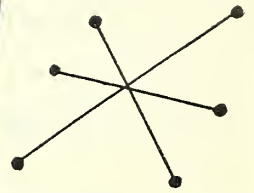
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singing
new
lip colour



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**FOR KILLING FLIES ★ MOTHS
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AND WEEDS**

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OFFER

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**SEND IN YOUR ORDER NOW!
FOR SALE BY CHEMISTS ONLY!**

Preparation	All Purchase Tax Free	Per Dozen	Retail Price
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	<i>Medium Containers</i>	13/9	1/10
Wright's Ant Run Solution (non-poisonous)	<i>Small Bottles</i>	12/3	1/9
Wright's D.D.T. Insecticide Powder Anti-Moth	<i>Puffer Tins</i>	7/9	1/-
	<i>Small Containers</i>	8/9	1/3
	<i>Medium Containers</i>	12/9	1/10
Wright's D.D.T. Liquid Insecticide Spray (with Knock-down Pyrethrum)	<i>5 oz. fluid</i>	12/-	1/5
	<i>10 oz. fluid</i>	18/-	2/1
	<i>20 oz. fluid</i>	30/-	3/6
Wright's D.D.T. Wettable Insecticide Powder	<i>Small Drum</i>	11/9	1/5
Wright's Derris Dusting Powder	<i>Small Containers</i>	7/6	1/-
	<i>Medium Containers</i>	10/-	1/8
Wright's Derris Liquid Water Spray	<i>5 oz. fluid</i>	22/6	2/9
Wright's Gamma Dust Pest Killer	<i>Small Containers</i>	8/6	1/2
	<i>Medium Containers</i>	11/-	1/9
Wright's Green Fly Killer	<i>2 oz. fluid</i>	8/3	1/2
Wright's Nicotine Spray 20% W/V	<i>2 oz. fluid</i>	16/6	2/-
Wright's Paradi-chlorobenzene Anti-Moth	<i>4 oz. Tins</i>	10/3	1/3
	<i>8 oz. Tins</i>	15/6	1/10
	<i>16 oz. Tins</i>	27/-	3/1
Wright's Selective Lawn Weed Killer 2: 4-D Amine Salt	<i>5 oz. fluid</i>	25/-	2/9
Wright's Slug Killer	<i>Small Containers</i>	8/-	1/2
	<i>Medium Containers</i>	12/6	1/9
Wright's Wasp Killer (non-poisonous)	<i>Small Drums</i>	8/3	1/3
Wright's Weed Killer (Sodium Chlorate)	<i>1 lb. Tins</i>	21/-	2/4
	<i>2 lb. Tins</i>	39/-	4/4
Wright's Wire-worm Killer	<i>Small Containers</i>	7/6	1/-
	<i>Medium Containers</i>	10/-	1/8
PLANT GROWTH AIDS			
Wright's Liquid Fertilizer	<i>8 oz. fluid</i>	12/6	1/8
Wright's Plant Growth Tablets	<i>Drum of 150 Tablets</i>	13/-	1/8



THE CHEMIST AND DRUGGIST

ESTABLISHED 1859

The weekly newspaper for pharmacy and all sections of the drug, pharmaceutical and fine chemical, cosmetic, and allied industries

Official organ of the Pharmaceutical Society of Ireland and the Pharmaceutical Society of Northern Ireland

Volume 169

March 1, 1958

No. 4071

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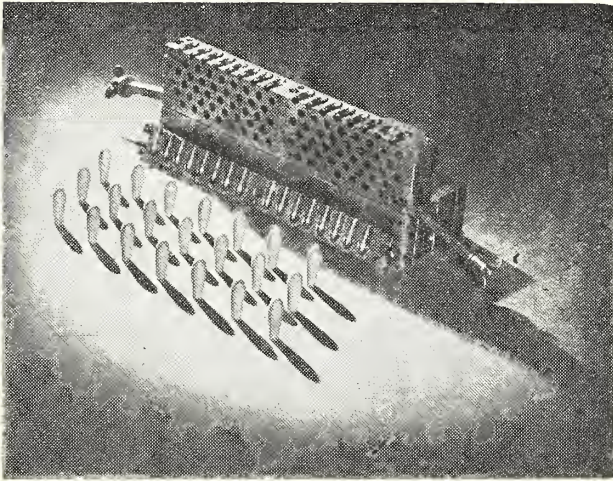
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of both bacterial and fungal origin

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The CHEMIST AND DRUGGIST

Volume 169

MARCH 1, 1958

No. 4071

Retention Fees, 1958 CERTAIN CONCESSIONS WITHDRAWN

DIFFICULTY in interpreting the phrase "not regularly engaged in the practice of pharmacy" has led to the withdrawal of concessions on that score to non-practising members and members of the Pharmaceutical Society over seventy.

The form for the payment of retention fees for 1958 draws attention to the fact that since 1957 the by-law which provided for a reduced retention fee to be payable by a member who "satisfies the Registrar that he is not regularly engaged in the practice of pharmacy or otherwise in the application of pharmaceutical knowledge" has been deleted, because its interpretation has given rise to difficulty and a considerable amount of irritation and annoyance. In future such persons are required to pay the normal fee (£3 13s. 8d.) if they wish their names to remain on the Register of Pharmaceutical Chemists. For the same reason the concession for pharmacists over seventy years of age who are not "regularly engaged in the practice of pharmacy" has been deleted. For the future the retention fee for a member of seventy years of age or over, whether engaged in practice or not, is £2 2s.

Pharmacists Tricked

MONEY MISSED AFTER "BLESSING"

CHEMISTS in Bromley and Farnborough, Kent, have borne the brunt of thefts by confidence tricksters recently. Opening gambit of two women who visited local shops was to ask for a throat powder. They then offered to bless the money "for luck." To avoid making a scene the shopkeepers handed over a note which they "charmed" and handed back. After they had gone, the till money was found short. The Widmore Pharmacy, Ltd., Bromley, lost £10 in that way and W. E. Gibson, Ltd., Green Street Green, Farnborough, lost £27. Mr. Reginald Peters, of the Widmore Pharmacy said "I can't imagine how they took it." Both women were well dressed. They seemed to be mother and daughter, aged nineteen and about forty. One said she had just arrived from South Africa. At the premises of V. S. Leather, Ltd., Widmore Road, Bromley, the manager was out and the women got nothing. They were also unsuccessful at the pharmacies of R. C. Davenport, Ltd., London Road, Bromley, and of J. Timmis, Ltd., Masons Hill. Police are investigating the incidents.

Chemists Reprimanded

DISPENSING NOT SUPERVISED

NATIONAL Health Service prescriptions dispensed by unqualified assistants without supervision by a registered pharmacist earned two contractors a reprimand from Blackburn Executive Council recently. In each case a 12-fl.-oz. mixture was ordered and the analyst's certificates showed that the medicines had been accurately dispensed. In one case the firm said that, when the dispensing took place, the chemist was away from the premises for a short time visiting another part of the town with a view to replenishing stock at the pharmacy. The assistant said he was not aware the chemist was absent. In the second case the firm reported that the dispensing occurred when the chemist was out at lunch and that he returned just after the prescription was dispensed. The Council decided in the first case, where there was a previous report of inaccurate dispensing, to withhold £10 from the contractor's remuneration in addition to giving the reprimand. In the second case it was decided to withhold £5.

Brandy Prescribable

REFEREES CONFIRM DOCTOR'S OPTION

THE right of a medical practitioner to prescribe brandy under the National Health Service if he considers it necessary has been upheld by a board of

referees appointed by the Ministry of Health. The decision was announced at a meeting of Middlesex Executive Council on February 19. Reporting its decision the board said that the doses concerned were so small that the doctor did not require more than two pints of brandy a year. A doctor had appealed against the Executive Council's ruling that brandy was not a drug it was bound to provide. It had said that rectified spirit should have been used. The doctor had given nine prescriptions, each containing a small quantity of brandy. After a similar appeal against the Middlesex Council last September, a board had held that gin could be prescribed under the Service.

Wellcome Bequest

DOLLAR AID IN REVERSE

WAR-TIME delay and the dollar freeze have resulted in the payment twenty-two years late of the first instalment of a bequest from the estate of Sir Henry Wellcome to Garden City, Minnesota, U.S.A. Sir Henry lived there as a boy with an uncle who ran a chemist's shop. Later he studied pharmacy and moved to Britain, where he helped to found Burroughs Wellcome & Co. In his will £142,000 was left to the village (population, 275) for the construction and maintenance of a community centre, including library, assembly hall, public park and sports ground. The present payment is of £89,000.

Art of the Perfumer

NEGLECTED ESSENTIAL OILS

THE different aspects of perfumery art as applied to handkerchief perfumes, soaps and the range of toilet and cosmetic products, each demanded a special study, Mr. W. C. Botfield (chief perfumer, W. J. Bush & Co., Ltd., Ash Grove, Hackney, London, E.8) told members of the Society of Cosmetic Chemists on February 17. Perfume could be

WELSH STUDENTS AT GREENFORD: Students from the Welsh Pharmaceutical Association photographed while on a visit to Glaxo Laboratories, Ltd., Greenford, on February 20. During their visit the students were shown two films, "Defence Against Poliomyelitis" and "Longer Life for B.C.G."



modified by the cosmetic materials with which it was incorporated and a perfume good for one purpose might not be satisfactory for another. Even the nature of the packaging material should be considered in connection with the choice of a perfume. It was on points of that kind that there should be close co-operation between the perfumer and the cosmetic chemist. The danger of adding a good perfume to a product containing inferior cosmetic materials emphasised the value of the specifications for cosmetic materials drawn up by the Toilet Preparations Federation. Mr. Botfield gave an outline of the art of blending as practised by the perfumer from a considerable range of perfumery materials, and made a strong plea for the judicious use of specialities, the creations of skilled and experienced perfumers. Such achievements as those specialities should be recognised by perfumers generally and made use of as valuable, painstakingly prepared and thoroughly reliable materials ready to hand and of established stability. Another plea of some importance made by Mr. Botfield was for the more general use of some of the essential oils which had been rather neglected. Trace amounts of those essential oils could be used to great advantage and with the achievement of many subtle effects. The particular oils in mind were ambrette, angelica, basil, carrot, celery, chamomile, costus, cumin, elmi, estragon, ginger, hops, hyssup, juniper, lovage, mace and myrtle. Of those, for example, oil of celery could be helpful to a jasmin, costus to a violet complex.

IRISH NEWS

THE NORTH

Associates' Section

MONTHLY MEETING OF COMMITTEE

AT the monthly meeting of the Associates' Section committee, Ulster Chemists' Association, held in Belfast on February 10, Mr. W. T. Hunter (chairman) presided. Mr. Hunter welcomed Mr. R. Scott on his first attendance as a committee member. Reference was

made to the tragic death of Mr. C. E. Moss (see *C. & D.*, February 8, p. 142), and deep regret was expressed by all members of the committee. A letter from the Executive Committee was read about a proposed training course in cosmetics for young women counter assistants, asked for two members to act on a subcommittee set up by the Executive Committee to look into the possibilities of organising such a course. It was agreed that two women members of the Section's social subcommittee should be appointed. Letters of sympathy sent to Miss Dorothy Hall on the death of her father, and Mrs. C. O'Rourke on the death of her mother were read. A report of the social subcommittee meeting held on January 16 was received in which was set out arrangements for the annual dress dance. It was agreed to co-opt the following six members to the subcommittee:—Misses S. Comerton, I. Maguire, P. Scott, Messrs. T. G. Eakin, H. Galbraith, and J. Shapiro. Mr. G. E. McIlhagger referred to an enjoyable evening he had spent at the prize-giving night held by the Pharmaceutical Society of Northern Ireland. He also spoke of the pleasant evening he had spent at the pharmacy ball organised by the Society of Pharmaceutical Students. The following applications for associateship were approved:—*Pharmaceutical Chemist*, Miss L. F. Allen, Miss M. P. Scott, Mr. H. R. Kelly; *Unqualified Assistant*, Mr. W. J. Graham; *Apprentice*, Miss M. E. Porter, Mr. R. R. E. Cheyne, Mr. R. Harbinson.

350 GUESTS ATTEND DANCE

THE ninth annual dance of the Associates' Section of Ulster Chemists' Association held in Belfast, on February 20, upheld its reputation of being the most popular social function in pharmacy, when a varied programme of party and spot dances was enjoyed by 350 guests, representing all branches of the profession, who were received by the chairman of the Section (Mr. W. T. Hunter). Mr. Hunter in a brief speech expressed pleasure at having as their principal guests, Mr. G. E. McIlhagger (president, Pharmaceutical Society of North-

ern Ireland) and Miss E. McIlhagger; Mr. A. Templeton (president, Ulster Chemists' Association) and Mrs. Templeton; Mr. J. A. Brown (vice-president of the Association) and Miss R. Brown. The committee responsible for the arrangements were: Mr. G. P. Taylor (convener), Misses S. Comerton, I. Maguire, P. Scott, and Messrs. N. Appleton, W. E. Cooper, T. G. Eakin, H. M. Hamilton, W. T. Hunter, J. E. Morley, J. Shapiro, and S. Wright.

Treatment of Hernias

LECTURES FOR CHEMIST CONTRACTORS

THE Northern Ireland Local Pharmaceutical Committee is organising two lectures to be given by Mr. Terence Kennedy, M.S., F.R.C.S., on the causes and treatment of hernias (associated with the use of trusses). The speaker is also dealing with colostomy and ileostomy and appliances used for those conditions. The lectures are being given in the lecture theatre, Institute for Clinical Science, Royal Victoria Hospital, Grosvenor Road, Belfast, at 8 p.m. on March 6 and 13.

THE REPUBLIC

Chemist Debaters

BROADCASTS ON RADIO EIREANN

RECORDINGS of the Chemists' Debating Society recorded by Radio Eireann (see *C. & D.*, February 1, p. 110) are being broadcast on the nights of March 1 and 8. Guest speakers are Mr. J. G. Coleman, B.L. (registrar of the Pharmaceutical Society of Ireland) and Mr. E. O'Grady (student). Questions were picked from a number put forward by members of the Debating Society and students of the College of Pharmacy, and were put to a panel comprising Miss Miriam Hedderman, Dr. V. Barry and Mr. James Larkin, T.D.

New Antibiotics Plant

FORMAL OPENING AT ROSCREA

A NEW antibiotics plant was formally opened at Roscrea, co. Tipperary, for Antigen, Ltd., recently, by Mr. Sean Lemass (deputy Premier and Minister



Picture: *Independent Newspapers*, Dublin].



[Picture: *Irish Press*, Dublin.

A MANUFACTURING UNIT IS INAUGURATED: At left, the Bishop of Killaloe (Most Rev. D. K. Rodgers) blesses a new unit installed at Roscrea, co. Tipperary, by Antigen, Ltd. Right, Mr. Sean Lemass (Minister for Trade and Commerce in the Government of the Republic of Ireland) inspects a machine in the unit. With him are Mr. G. Faserfeld (managing director) and Mr. A. Cox (chairman of the company).

for industry and commerce). A large party that travelled from Dublin for the occasion represented both wholesale and retail sides. Mr. A. Cox (chairman, Antigen, Ltd.) presided over a luncheon after the opening. Mr. Lemass in his address pointed out that the Government's policy was one of expansion for export. It was the intention of that enterprise to obtain world-wide markets for its products. Mr. Lemass mentioned that the company was planning another factory in Roscrea to manufacture medicinal tablets.

IRISH BREVITIES

THE NORTH

MR. A. TEMPLETON (chairman of the committee set up by the Northern Ireland Hospitals Authority to investigate and advise on hospital pharmacy problems (see *C. & D.*, January 4, p. 4)) has requested publication of the names of non-pharmacist members of the committee. They are: Mr. W. C. Gardiner, F.C.A., F.S.A.A., Senator J. A. McGlade, and Dr. J. C. Robb, M.Ch.

NEWS IN BRIEF

THE first report of the Council on Prices, Productivity and Incomes has been published by H.M. Stationery Office, price 2s.

A KENT chemist who dispensed and supplied eye-drops instead of eye ointment to a National Health Service patient, is to have £26 5s. deducted from his remuneration if the Ministry approves a recommendation of Kent and Canterbury executive council of the National Health Service.

"AN audacious and fortuitous robbery" was how Mr. J. Saville, M.P.S., described the theft on February 14 of a number of pay packets from the premises of John Saville & Sons, 7 Goodramgate, York. It was fortuitous, from the thief's point of view, said Mr. Saville, because the packets were not usually made up at the time of the theft.

CHEMIST contractors and dispensing doctors in Scotland are being informed by Executive Councils that only a single shilling charge should be levied for the medicament and dropper in cases where a separate dropper has been ordered on the same form as the medicament for which it is to be used and the latter is supplied in an ordinary bottle.

SPORT

Golf. — IRISH CHEMISTS' GOLFING SOCIETY, Dublin, on February 14. Annual meeting. *President*, Mr. Philip A. Fahey; *Captain*, Alderman M. L. Cashman; *Secretary*, Mr. J. T. Foley; *Treasurer*, Mr. E. MacManus; *Committee*, Messrs. T. J. Lynch, P. McAuliffe, J. Howard, J. Power, C. A. Collis and E. W. Massey. *P. C. Cahill-J. J. Roche memorial prize* best four cards out of five during the season was awarded to Mr. P. F. Twohig. The treasurer's report showed that the Society was in a healthy financial position.

LOCAL OFFICERS

NATIONAL PHARMACEUTICAL UNION
North Metropolitan Branch.—*Chairman*, Mr. J. S. Grant; *Vice-chairman*, Mr. C. W. Leaversuch; *Secretary*, Mr. J. F. Jack, 347 Green Lanes, Harringay, London, N.4; *Chemists Federation Action Committee Secretary*, Mr. E. A. Darley, 135 Hoxton Street, London, N.1.

TOPICAL REFLECTIONS

By Xrayser

Health Charges

The announcement by the Chancellor of the Exchequer of an increase in the weekly contribution to the National Health Service has rather confounded the prophets who, for a week previously, had been forecasting higher prescription charges and even the probability of the doctor's being asked to become the rival of the pharmacist by collecting—gratis—money for the Government in the shape of consultation charges. No matter how it had been levied that would still be a tax, as indicated by your leader on p. 205. There were, in fact, three ways in which the money could have been found; (a) from general taxation, in which case it would be graded according to income; (b) by an addition to the weekly contribution, whereby all contributors, regardless of income, would pay the same sum; or (c) by increasing the charges so that the full burden would fall on the sick. The middle course has been followed. Viewed in isolation the increase is not large, but with the increases only recently introduced the stamped cards this year look like bearing some resemblance to modern wallpaper. Pharmacists will be relieved that they are not to be called upon to make further explanations to their customers. In the debate the Chancellor said: "We could have increased the charges to those who are ill or in trouble, but we decided on this occasion that the right thing would be that the extra burden should be carried by the fit and able-bodied rather than those in trouble." Many would agree that that would have been right on *all* occasions, but if the attitude indicates a recognition of the hardships imposed by illness, the Chancellor shows a more sympathetic approach than some of his predecessors have done. It is noteworthy that, of the total cost of the service, amounting to £740 millions, the principal target for criticism is again the drug bill, which accounts for roughly £1 per head of the population per annum.

New Examination Regulations

One wonders whether the new regulations for the Pharmaceutical Chemist Qualifying examination (p. 194), by means of which the course is to be extended to three years, will result in less critical reports from the boards of examiners than those you publish on another page. The fact that there will be an examination each year may help, for at the present time a considerable accumulation of knowledge has to be kept at concert pitch. It is to be hoped that, when the new syllabus appears, opportunity will have been taken to give effect to some of the recommendations of Dr. D. M. Dunlop (Privy Council visitor to the examinations held in Scotland). Dr. Dunlop considers that, when so much that is new has to be grafted on to the curriculum at one end, it is equally important to use a pruning-hook at the other. He calls attention in particular to the retention in pharmacognosy of myrrh and fennel, on which questions had been set in the summer examination; and indeed, the examiners' report states that there was a lack of knowledge of the microscopical characters of cardamom seed and fennel. I think, for what it may be worth, I could still recognise the whole drug in each case, but I cannot recall having had occasion to recognise them microscopically.

Myrrh

Despite its fall from grace in this world of modern therapeutics, I still have occasion to use tincture of myrrh at infrequent intervals, a fact suggesting that there are some elusive, bearded patriarchs left untouched by the hand of time. Myrrh may have acquired its reputation from its close association with religion in early times, and it is worth noting that commodities used in gifts or in worship have maintained a certain tradition long after later discoveries have been abandoned. The first biblical reference to myrrh occurs in Exodus, and the gum is also referred to in the Psalms, where its use as a perfume is mentioned along with aloes and cassia. One of the most ancient articles of commerce, myrrh was an ingredient of the theriaca and mithridata, those elegant and comprehensive ethicals of an earlier age.

A PHARMACEUTICAL FOUNDATION FOR IRELAND?

Appeal for funds at annual dinner of Wholesale Drug Federation

AN appeal to wholesalers and to "ethical" manufacturers to help in establishing an Irish Pharmaceutical Foundation was made by MR. MAURICE POWER (president, Pharmaceutical Society of Ireland) at the annual dinner of the Wholesale Drug Federation of Ireland held recently in Dublin. Mr. P. J. Hooper (Ayrton, Saunders & Co. (Dublin), Ltd.), the new chairman of the Federation, presided, and MR. J. G. COLEMAN, B.L. (registrar of the Society), proposed the toast of the Federation. He said that pharmacists had been inclined to regard the Federation, the Pharmaceutical Society of Ireland, and the Irish Drug Association as occupying distinct compartments within Irish pharmacy. In fact they were integral parts of pharmacy as a whole. Through the generosity of members of the Federation the College of Pharmacy had benefited greatly, both in equip-

ment and in grants that enabled the College to secure apparatus it could not otherwise afford to pay for. MR. HOOPER, responding, paid tribute to the good relations that had always existed between the wholesalers and both the professional side of pharmacy, as represented by the Society, and the retail side, as represented by the Irish Drug Association. MR. D. W. P. BOYD (Boileau & Boyd, Ltd.) proposed "Our Guests." He promised the Federation's full support and co-operation in bringing on to the Statute book the new Pharmacy Bill, a long overdue measure he hoped would soon be introduced. MR. POWER, who responded, said the Society welcomed all the help it could get in its fight for a new Pharmacy Bill, and he could not say too much in appreciation of the help given by members of the Federation towards equipping the Society's College. In the

not too distant future the Society hoped to see an Irish Pharmaceutical Foundation set up such as would enable students to carry on research and take a higher degree in pharmacy. He appealed to members of the Federation, and to the "ethical" houses, to become members of that Foundation by contributing towards its endowment. It could provide, he said, valuable post-graduate facilities, and the Society thought that the *personnel* required by wholesalers and the pharmaceutical industries in Ireland could be provided from the Society's own licentiates if the funds were available to create the Foundation. Apart from the retail side it would open up a new avenue of employment. MR. F. J. ROBINSON (president, Irish Drug Association) emphasised the cordial relations that existed between the Federation and the Irish Drug Association.

LIVERPOOL OLD STUDENTS' ASSOCIATION

Honours for ex-principal on eightieth birthday

A DINNER and dance held in Liverpool on February 12 in celebration of the eightieth birthday of Mr. H. Humphreys Jones, was attended by 250 members of the Liverpool School of Pharmacy Old Students' Association. Mr. Humphreys Jones was principal of Liverpool School of Pharmacy until it was taken over by Liverpool Corporation, and is president of the School's Old Students' Association, which was formed last year. Mr. A. D. Mavity presided. Guests included the lord mayor of Liverpool, Lord Macdonald of Gwaenysgor, and Mr. Bertram B. Benas, C.B.E. Among the many congratulatory messages received were those from Lord Cohen of Birkenhead, Messrs. W. Vose, Hong Kong; C. Mitchell and B. Burman, Rhodesia; K. G. Taylor, New South Wales, Australia; Sir H. Hague, Colombo; Alderman Edwin Thompson and Mr. W. Adlington, Stranraer; Dr. J. B. Firth (retired Home Office pathologist); and Mr. D. W. Hudson (president, Pharmaceutical Society).

Responding to the toast to the City of Liverpool (proposed by Mr. W. Lloyd), THE LORD MAYOR commented: "I am not quite sure whether it is true to say that Mr. Humphreys Jones is a Liverpool-Welshman or a Welsh-Liverpoolian, but whatever it is, he has made his mark in this city." Although he had now retired, the great influence he wielded in the profession would last. Mr. Humphreys Jones had been in Liverpool for sixty years and had done what he could both as a magistrate and as a citizen.

LORD MACDONALD of Gwaenysgor, proposing the toast to Mr. Humphreys Jones, said a young pharmacist had referred to him as a teacher. He had all the essentials of a good teacher: self-knowledge, knowledge of his fellow men and great shrewdness. Evidence of the interest he had in his students was the number of former students gathered together that evening to pay

tribute to their old teacher, who was now eighty years of age.

Gift of a Silver Casket

A presentation was made to Mr. Humphreys Jones of a silver casket bearing the inscription: "Presented to Mr. H. Humphreys Jones, J.P., F.R.I.C., F.P.S., on his 80th birthday by Liverpool School of Pharmacy Old Students' Association."

MR. HUMPHREYS JONES expressed appreciation to Lord Macdonald for coming from Prestatyn, to the Old Students' Association for organising the function in his honour and to the many people attending. There were three present who had assisted him at the School of Pharmacy: Mr. John Butler, now retired, Mr. W. E. Coates, who was still a lecturer in the department of pharmacy of the Liverpool College of Technology, and Mr. Arthur Williams, who had travelled from Penarth. "I am supposed to be looking much younger than eighty years. The reason, I think, is because I live in the past in the presence of the old students. About 5,000 of them passed through the school and to me the student of forty or fifty years ago is the youngster I am thinking about. Some were silly and became wise and some were wise and became silly. It is a fact that I have a smile to myself every day over something or other." In recalling his early days, he said he had an elementary school education and on leaving school a master gave him lessons after he had finished work on a farm in the afternoon. Out of the 189 students who passed the examination in January 1894 only six were still on the Register of the Pharmaceutical Society. He still had his apprenticeship indenture of that year which contained what he described as his "ten commandments":—"To faithfully serve my master; to keep inviolate his secrets; to obey his lawful commands; to do no damage to the said master; to warn him if danger

threatened; not to waste the master's goods; not to contract marriage during the period of apprenticeship; not to play cards; not to haunt taverns or playhouses; and not to absent myself from my master's service day or night." Mr. Humphreys Jones admitted that he did not strictly adhere to all those conditions. He still had in his possession a little book in which he had noted some of the private formulas.

Displaying a toy chemistry set, Mr. Humphreys Jones said it was left on his desk at the school at Christmas, about twenty-one years ago. The book of instruction, which was signed by some of the students, contained handwritten messages. One was: "Should you have any difficulty in attaining the results stated in this book, the signed members of L.S.P. kindly offer their services." Mr. Humphreys Jones concluded: "I shall continue to live with the young people, whatever their ages are now, smile with them and have lots of fun."

MR. A. D. MAVITY proposed the toast to the guests and MR. BERTRAM B. BENAS, C.B.E., J.P., responded. Mr. Benas said he had known Mr. Humphreys Jones for nearly sixty years and it was a source of pride to see the recognition by those whom he launched on their careers as pharmacists.

MR. J. GRIFFIN (secretary of the Association), who acted as toastmaster, recalled that, at a function held by the Association, Mr. Humphreys Jones had commented on the number of students who had entered into matrimonial bonds through contacts made at the School of Pharmacy; "if each couple paid him £50 he would be able to buy a new car." The committee had considered that and decided to present him with a new [toy] car.

Later in the evening, during an interval in the dancing, Mr. Humphreys Jones cut a birthday cake, on which the decoration included the badge of the Liverpool School of Pharmacy.

LIVERPOOL SCHOOL OF PHARMACY

800

OLD STUDENTS ASSOCIATION

Dinner & Dance in honour of the President's 80th birthday February 1958

WALLY FOWLER
SECTY.
LIVERPOOL CHEMISTS GOLF ASSN

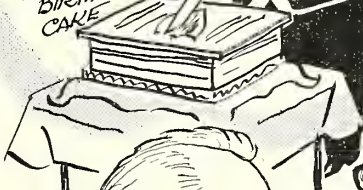


YEARS YOUNG!

PRESIDENT
H. HUMPHREYS-JONES
FRS, FRIC, J.R.



THE BIRTHDAY CAKE



W.E. COATES
LECTURER IN PHARMACY AT LIVERPOOL



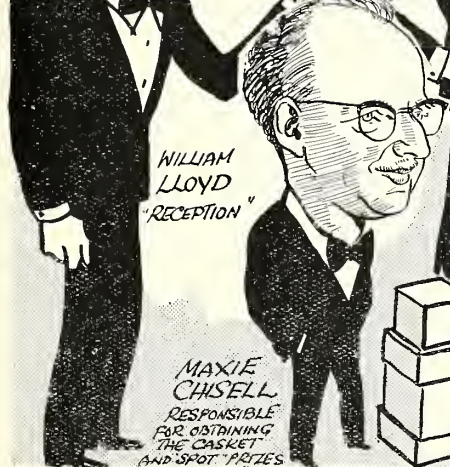
J. BUTLER,
EX CHIEF ASST.
LECTURER
TO H.H.-J.



R.A. "SPOT" WILLIAMS
CHEMISTRY LECTURER AT LIVERPOOL



WILLIAM LLOYD
"RECEPTION"



MAXIE CHISELL
RESPONSIBLE FOR OBTAINING THE CASSETT AND SPOT PRIZES



"GRIFF" GRIFFEN
SECRETARY AND TOASTMASTER

"... PROUD THAT H.H.-J. IS OUR PRESIDENT"
DES MAVITY,
CHAIRMAN



TO THE STATION

IMPRESSIONS BY "CVD" ARTIST

HUT

A. GRONBACK
LIVERPOOL CORRESPONDENT

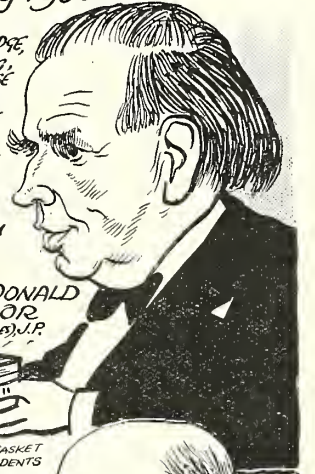


"SELF-KNOWLEDGE, NO SIDE-TRACKING, KNOWLEDGE OF THOSE YOU ARE GOING TO TEACH, SHREWDNESS AND INTEREST IN EVERY SCHOLAR—THESE ARE THE ESSENTIALS OF A GOOD TEACHER. H.H.J. HAS THEM ALL!"

The Rt. Hon.
THE LORD MACDONALD OF GWAENYSGOR
K.C.M.G., P.C., LL.D. (HON.) J.R.



PRESENTED A SILVER CASSETT ON BEHALF OF THE STUDENTS



"H.H.-J.", MY OLD AND DEAR FRIEND FOR 60 YEARS... THE WELSH HAVE MADE A GREAT CONTRIBUTION TO LIVERPOOL... IN THE CHURCH, THE ARTS AND THE DEVELOPMENT OF SOCIAL LIFE."

BERTRAM B. BENAS
C.B.E., J.P.



T. MACADAM
ROUSSEL LABORATORIES LONDON.
GOOD WORK MOST APPRECIATED BY THE ASSOCIATION



IN PARLIAMENT

BY A MEMBER OF THE PRESS GALLERY, HOUSE OF COMMONS

THE suggestion that barbiturates should not be dispensed by pharmacists without a warning label as to their danger to children was made by DR. D. JOHNSON in the House of Commons on February 24. DR. JOHNSON asked the Minister of Health if he was aware that the number of deaths from accidental poisoning by barbituric acid and its derivatives had shown a progressive increase from forty in 1945 to 127 in 1950 and 223 in 1956. In view of the common use of those drugs as sedatives he asked what steps the Minister proposed to take to arrest the increase.

MR. DEREK WALKER-SMITH said that in 1954 and 1956 the attention of doctors had been drawn to the disquieting increase and he had asked whether a further reminder in *Prescribers' Notes* would be helpful. Doctors by prescribing with special prudence and advising patients on care in the use of those drugs could do most to help reduce poisoning risks.

DR. JOHNSON further asked if the Minister was aware that a large part of the increase in deaths was among children under five years of age and that in certain hospitals there was a practice of not dispensing those tablets without giving some special warning as to the risk of children getting hold of them. Would he contemplate issuing a regulation of some kind to the effect that they should not be dispensed by chemists without a label giving such a warning affixed to them?

MR. WALKER-SMITH said that the incidence of deaths among children was not so large. Of the accidental deaths from barbiturates in 1956, only one was of a person under fifteen years of age.

Overseas Trade Fairs

SIR DAVID ECCLES (President of the Board of Trade) in an oral answer on February 20, told MR. SYDNEY IRVING that he had accepted in principle the conclusions reached in the report of the Board of Trade Exhibitions Advisory Committee on overseas trade fairs.

Among the principal conclusions of the committee are the following:—The Board of Trade should continue to provide information about trade fairs. Where official Government stands are installed displays should normally concentrate on a single industry or group of industries from whom co-operation should be sought. In fairs organised on the basis of national pavilions a contribution should be made from public funds. The level of Government expenditure should be under constant review, consideration being given to any upward adjustment necessary in respect of 1958-59 and later years.

Export of Toilet Preparations

MR. G. D. N. NABARRO asked the Chancellor of the Exchequer whether he was aware that the present provision by which a 90 per cent. rate of purchase tax was applied not only to all toilet preparations but to the packages, containers and bottles in which they were supplied, imposed a severe handicap on the export business of the

toilet preparations industry in this country insofar as in many cases it might necessitate having different packages for the home and export markets; and whether sympathetic consideration could be given to that matter at an early date.

MR. J. E. S. SIMON (Financial Secretary) said that the Chancellor had received representations on that point and had undertaken to bear them in mind.

MR. NABARRO said that the matter was proving gravely detrimental to exports of British toilet preparations and the use of the most modern scientific containers, such as the aerosol. As it was essentially a matter of interpretation and not change, would a directive for the proper interpretation to be made be issued at an early date?

MR. SIMON said that he did not think it was a pure matter of interpretation, but the Chancellor had in mind what Mr. Nabarro had just said.

MR. NABARRO also asked whether the Chancellor was aware of a ruling by the Customs and Excise that whereas tooth-brush racks were only chargeable to purchase tax at 30 per cent., tooth-brush holders which were personal to the user were chargeable at 90 per cent.

MR. SIMON said that tooth-brush racks were taxable at 15 per cent. They were bathroom fittings and were quite easy to distinguish from tooth-brush holders which were carrying receptacles.

Radiographers' Pay

MR. DEREK WALKER-SMITH (Minister of Health) on February 24, told MR. K. ROBINSON that in the present economic circumstances he could not agree to the pay award being made in response to the radiographers' salary claim.

Smoking and Lung Cancer

MR. E. H. C. LEATHER, on February 24, asked the Minister of Health what evidence existed to support the statement in the annual report of his department that a breaking away from addiction to tobacco, even after a long period of indulgence, might reduce the risk of lung cancer.

MR. DEREK WALKER-SMITH told him the evidence was referred to in the statement on tobacco smoking and cancer of the lung issued by the Medical Research Council on June 27, 1957.

MR. LEATHER asked whether the truth of the matter was not that if there was a known tendency to cancer in the family, and if one was a heavy smoker, then the risk was obviously very great; but if there was no such tendency, and one was a moderate smoker, the risk was absolutely negligible. Was it desirable to use official Government documents to spread this "terror propaganda" on a very debatable point?

MR. WALKER-SMITH said he did not think Mr. Leather was using his normally well-chosen phraseology when he referred to "terror propaganda." It was his duty to promulgate to the public the expert advice they had received from the Medical Research Council,

and their statement had shown that there was a higher mortality rate among people who did not give up smoking than among those who did.

In a written answer on February 24 MR. DEREK WALKER-SMITH (Minister of Health) told MR. J. D. CRONIN that at the end of December over 1,500,000 persons had been vaccinated against poliomyelitis in Great Britain, and vaccine had since been issued for a further 1,500,000. Similar arrangements were in operation in Northern Ireland. Considerable quantities of Salk vaccine were being imported, in supplementation of British vaccine. The programme was being kept under constant review. He was advised that two injections gave a good degree of protection, and that the first objective should be to increase the number of persons so vaccinated.

DR. EDITH SUMMERSKILL asked if it would not be better to give a third vaccination, thereby ensuring that certain people were guaranteed safety, rather than giving a number of people only two vaccinations with a lesser degree of safety.

MR. WALKER-SMITH said the implication was wrong. A third injection did not guarantee safety, according to American experience. The joint committee on poliomyelitis vaccine had recently reiterated their advice that there was more to be gained by giving two doses to more people than by giving three doses to fewer.

Restrictive Practices Court

In an oral answer on February 25, SIR HARRY HYLTON-FOSTER told MR. E. D. L. DU CANN that he could not say when the first cases were likely to be heard in the Restrictive Practices Court.

Control of a Drug

MRS. H. SLATER asked the Minister of Health on February 24 on what grounds he had decided that the drug about which she had written him did not come within the terms of Part II of the Therapeutic Substances Act, 1956 (see C. & D., February 15, p. 167).

MR. WALKER-SMITH said that it was not considered to be a substance which was capable of causing danger to the health of the community if used without proper safeguards.

MRS. SLATER said that she had initiated those inquiries about twelve months previously on the advice of the doctor of one of her constituents who considered it to be dangerous if sold on the open market. Was the Minister aware of the evidence from Sweden that the drug could be a killer and that, although she had never publicly disclosed the name of the drug or of the doctor, the manufacturers of the drug had gone to great lengths to persuade and threaten the doctor concerned not to make further representations? Did that not look as though they were afraid that the drug had something in it which might be dangerous to the public and that they did not want it to be controlled?

MR. WALKER-SMITH said that the Therapeutic Substances Act, 1956, con-

trolled only those drugs which could be a danger to the community and that drugs which might be dangerous to an individual did not come within the jurisdiction of the Act. Therefore, it would not be possible to deal with that matter under that Act.

Russian Sclerosis Vaccine

MR. J. MCKAY asked the Minister of Health on February 24 if he would get special arrangements made with the Russians for supplies of the multiple sclerosis vaccine to be allowed into Great Britain. Was the Minister aware that a New Zealand firm of pharmaceutical manufacturers and importers had undertaken to import supplies in bulk?

MR. DEREK WALKER-SMITH (Minister of Health) said that the evidence at present available was not sufficient to enable an opinion to be given on the efficacy or safety of that vaccine in the treatment of multiple sclerosis. In those circumstances it would be quite wrong for sufferers to be encouraged to build their hopes on it, and no arrangement for its general importation could be justified. He was, however, prepared to advise the release by the Customs and Excise of small quantities obtained for individual treatment on the advice of a patient's medical practitioner.

N.H.S. Good Bargain

A resolution in committee to increase the National Health Service element in the National Insurance charge by sixpence for men, fourpence for women, and twopence for juveniles, with an additional twopence from the employer in the case of employed persons, which was moved by MR. J. E. S. SIMON (Financial Secretary to the Treasury) on February 24, was carried after a division. He said that it would raise the National Health Service contribution for employed male persons to 2s. 4d., of which 1s. 10½d. would fall on the employee and 5½d. on the employer (see *C. & D.*, February 22, p. 193).

MISS M. C. HERBISON said that the time had come to get away from flat rate contributions. The Government should be firmer with drug manufacturers if it was concerned about rising costs.

MAJOR TUFTON BEAMISH said that the wholesale price of drugs had gone up by only 6·6 per cent. since June 1949. Well over half of the proprietary medicines were either cheaper or no more expensive than their standard equivalent.

MR. A. BLENKINSOP said that after making allowance for the greater number of old people and other increased pressures on the Health Service, it was not costing the country more. In effect it was probably costing less but he did not believe the method of raising the money was correct.

MR. A. MOYLE asked if MAJOR BEAMISH thought that the National Health Service should produce its own proprietary medicines.

MAJOR BEAMISH said that he did not agree with that. All the evidence he could find where one introduced State manufacture of drugs led him to believe that drugs would be more ex-

pensive and research less efficient than it was at present.

MR. DEREK WALKER-SMITH (Minister of Health) replying, said: "We are persevering with the application of all proper measures of economy within the National Health Service. The search for new economies which can be found without detriment to the interest of the patient is unceasing and untiring." After vigorous pruning, the gross estimated cost of £740 millions for 1958-59 was £31 millions more than the out-turn for the current financial year. If the House accepted that it was not possible to reduce or stabilise the gross cost except by unacceptable cuts in the Service then they must look to the pattern of the cost. The real question was whether every increase in cost should go automatically on to the Exchequer or were contributions and charges to share in the burden. If so in what proportion should they share? In his submission it did not make sense, either from the point of view of the economy as a whole or from the point of view of the Service, that the Exchequer should be asked to assume an unlimited liability in that context. The contributor was already getting a good bargain.

[A Bill is to be introduced later to authorise increased rates of contributions.]

COMPANY NEWS

Last year's figures in parentheses

BOOTS PURE DRUG CO., LTD.—An interim dividend for the half-year ending March 31, of 3 per cent., less tax, is announced.

GRIFFITHS HUGHES PROPRIETARIES, LTD.—Mr. Ralph Estill Huffam has been appointed a director of the company and of E. Griffiths Hughes, Ltd., its operating company.

SOUTHON LABORATORIES, LTD.—Mr. P. J. Keen, M.A., who joined the board a few months ago, has now been appointed chairman in succession to Mr. L. S. Southon, who recently retired.

LAPORTE INDUSTRIES, LTD.—The company announces that the result of the offer to Ordinary stockholders (*C. & D.*, February 15, p. 172), is that acceptances totalled over 98 per cent. of the shares offered.

PARKE, DAVIS & CO., Detroit, U.S.A.—Net sales for 1957 were \$162,287,823 against the previous record of \$138,136,475 in 1951. Net earnings were \$27,929,887. The 1957 net sales represented a 21 per cent. increase over those of 1956, while the net earnings were 58·3 per cent. more than in 1956.

BRITISH OXYGEN CO., LTD.—Group trading profit for year ended September 30, 1957, after charging depreciation, £3,217,463 (£2,610,299), was £5,964,085 (£5,198,464); taxation, £3,215,099 (£2,699,611). The directors recommend a final dividend of 6 per cent. on the Ordinary stock (same) which makes a total for the year of 10 per cent. (same).

MONSANTO CHEMICALS (AUSTRALIA), LTD.—The company has entered into an agreement with Drug

Houses of Australia, Melbourne, to purchase all outstanding shares of two of that company's subsidiaries, namely Beetle Elliott Pty., Ltd., and Drug Houses of Australia (Chemicals) Pty., Ltd. Beetle Elliott manufactures plastic materials and Drug Houses of Australia (Chemicals), sulphuric acid, phenothiazine, some inorganic salts and various agricultural chemicals. Both companies operate plants in the Sydney and Melbourne areas.

MONSANTO CHEMICALS, LTD.—A second interim dividend on the company's ordinary shares of 8½ per cent., less income tax, making the total dividend 13½ per cent. on the ordinary capital in respect of 1957 is announced. Consolidated trading profit of the company and its subsidiaries for 1957 was £3,093,669 (£2,596,773); and net profit after taxation, £1,078,557 (£919,315). Net sales of the parent company increased by 11½ per cent. to a new record of £15,683,272, with 41 per cent. of the total business effected overseas, the same proportion as in 1956. The value of sales overseas was £6,416,204, compared with £5,821,357.

New Companies

P.C. = Private Company; R.O. = Registered Office

SAMUEL BOYD, LTD. (P.C.).—Registered in Dublin. Capital £100. To carry on the business of wholesale or retail chemists, etc. Subscribers: Agnes Richmond, Timothy D. Byrne. The first directors are not named.

BERKELEY LABORATORIES, LTD. (P.C.).—Capital £1,000. To carry on the business of manufacturers of and dealers in cosmetics. Directors: Derek Barkaway and Michael Lee. R.O.: 66 Newnam Street, London, W.1.

EUROVEND, LTD. (P.C.).—Capital £100. To carry on the business of bottle and container manufacturers, box and case makers, etc. Directors: Horace Dees and Sylvia M. Dees. R.O.: Bydown, Bluehouse Lane, Oxted, Surrey.

LEGAL REPORT

Pharmacist Charged With Arson

AT Hull magistrates' court recently, Kenneth Denton Holland, M.P.S., Park Avenue, Hull, was committed for trial at the next Leeds Assizes on a charge of maliciously setting fire to a shop in Princes Avenue, Hull, with intent to injure or defraud. He pleaded not guilty and reserved his defence. Bail was allowed. Prosecuting solicitor said the shop was a pharmacy at which Holland was employed by a limited company of which he was a director. Unknown to his co-directors, Holland had got into financial difficulties and had been pressed for money. Eventually the sheriff's officer told him the company would be receiving two warrants—one for £500 and one for £80. Holland promised that he would produce the money. Instead, he obtained some paraffin and arranged five fires at the shop. The fires were discovered, however, and the fire brigade extinguished them. A detective told the court that, when Holland was told he was suspected of setting fire to the shop, he collapsed. The fire occurred on February 9.

BUSINESS CHANGES

M. KELLY (CHEMISTS), LTD., have transferred to 109 King Richard's Road, Leicester, from New Park Street.

MR. J. S. MULROONEY, L.P.S.I., has opened the Belfield Pharmacy, Ennis Road, Limerick.

BOOTS, LTD., acquired the branch at 501 Sauchiehall Street, Glasgow, of Frazcr & Green, Ltd., on February 11.

ABBOTT LABORATORIES, LTD., are moving to 8 Baker Street, London, W.1 (telephone: Hunter 1381) on March 1, to which address all correspondence should be sent. Orders, or inquiries concerning orders, should be sent to the company's Perivale office.

Appointments

C. L. BENCARD, LTD., Minerva Road, London, N.W.10, have appointed Mr. A. H. Newcombe, M.P.S., a marketing executive.

FRENCH & SCOTT, LTD., have appointed Mr. Robert Greene, 70 Godstone Road, Kenley, Surrey, their representative to cover the area of S.E. London, Kent, Surrey and Sussex.

MOORE MEDICINAL PRODUCTS, LTD., 1 Queen's Terrace, Aberdeen, have appointed Mr. H. Haughey representative for West Scotland, and Mr. L. Hall representative for East Scotland.

BENGER LABORATORIES, LTD., Holmes Chapel, Ches, have appointed Messrs. S. T. H. Moore and J. Beattie acting managers of the company's Northern U.K. region which was until recently under the control of Mr. D. P. Hickey. The region has now been divided—Mr. Moore to be responsible for the representatives in N.E. England and Scotland, Mr. J. Beattie for N.W. England, Northern Ireland and Eire.

OVERSEAS VISITS

MR. C. A. CASE (sales director, Delavelle, Ltd.) left London on February 27 for a three-week business visit to Nigeria and Ghana.

MR. L. O. SMITH (European general manager, Parke, Davis & Co., Ltd.) and Mr. J. D. Heywood (overseas sales manager at Hounslow), left London on February 24 on a visit to Spain and Italy.

MR. D. P. HICKEY (acting European manager, Bengel Laboratories, Ltd.) left England on February 17 to discuss further promotional plans with associates in Holland, Belgium, Greece, Portugal and Germany.

MR. GEORGE WEST (assistant export manager, chemicals division, Newton, Chambers & Co., Ltd.) has just returned from a 25,000-mile business tour of Commonwealth countries and the Far East. He visited agents in countries where the company's products are already extensively used, and investigated conditions and prospects in other areas where important and rapid developments are taking place.

MR. RAITH R. MERTON (managing director, Alginate Industries, Ltd.), left London by air recently on the first hop of his two-months' world tour. Mr. Merton is going to Tasmania to discuss

the possibilities of setting up an alginate industry in Australia. The company, who use the seaweed collected off the coasts of Scotland, Ireland and the Hebrides by crofters for obtaining the chemical, believe that the giant kelp seaweed which grows off Tasmania is better and easier to obtain. Mr. Merton will also visit Greece, Ceylon and Singapore. Apart from looking for better seaweed, he also hopes to interest more countries in alginate.

DEATHS

BOWLEY. — On February 22, Mr. Frank William Bowley, director of Johnson & Johnson, Ltd., Slough.

COMLEY. — At his home, The Pharmacy, Brough, East Yorks, on February 17, Mr. John Comley, M.P.S., aged sixty-three. Mr. Comley was a director of S. C. Halliday, Ltd., Brough.

DAWSON. — Recently, Mr. George Henry Dawson, M.P.S., 46 Marine Parade, Southend-on-Sea. Mr. Dawson qualified in 1903.

HOLYOAK. — On February 7, Mr. Henry Holyoak, M.P.S., The Square, Ellesmere, Salop, aged fifty-nine. Mr. Holyoak had been in business in Ellesmere since 1940.

JOINER. — On February 11, Mr. Alexander Joiner, M.P.S., 1 Douglas Street, Nairn. After qualifying Mr. Joiner went to Singapore for about four years. On returning home he opened a pharmacy in Dufftown. In 1897 he bought a pharmacy in Nairn, which he carried on for thirty-nine years, until his retirement in 1936.

MERSON. — On February 20, Mr. George Fowle Merson, F.P.S., F.C.S., F.R.S.E., aged ninety-two. After serving his apprenticeship in Fraserburgh he qualified under the late Mr. William Duncan at the Royal Dispensary, Edinburgh. Many years later he was a governor of the Royal Dispensary. In 1890 he opened a school of pharmacy in Newcastle-on-Tyne and from 1905 to 1910 he managed the pharmacy of Rankins & Borland, Kilmarnock. He returned to Edinburgh in 1910 to join J. F. MacFarlan & Co., Ltd., manufacturing chemists. When war broke out in 1914, Mr. Merson was asked by the Department of Health for Scotland to see if the manufacture of surgical sutures and ligatures could be carried out in Britain as Germany was the source of supply at that time. Mr. and Mrs. Merson started experiments in their kitchen with ordinary household dishes and the first catgut produced was stretched and dried on their clothes drying pulley. A small factory was opened in Meuse Lane and a move was made later to St. John's Hill, Edinburgh, where a factory of considerable size was developed. Mr. Merson retired in 1937 and ten years later the business was acquired by Ethicon, Ltd.

Mr. L. A. Bailey (managing director, Ethicon, Ltd.) writes: With the death of George Merson pharmacy in Scotland has lost a link with the early days of the development of professional pharmacy and one of its greatest characters. It would be impossible to adequately summarise the contribution

that he made to the progress of surgical techniques not only in Britain but world wide. Several of the new products that he introduced were unique and allowed the surgeons to perform surgical operations which had previously been difficult or impossible. There must be today literally millions of people who have benefited from his work and it is interesting to think that he was forty-nine years old when he started that business. All who have worked with him feel they have lost a very great friend and counsellor and the city is the poorer for his passing and will sympathise very deeply with his wife and daughter in their loss.

ROBBINS. — On February 13, Mr. P. S. Robbins, 17 Silverbeech Avenue, Mossley Hill, Liverpool, 19. Mr. Robbins was a representative of Evans Medical Supplies, Ltd., calling on chemists in North Lancashire, Cumberland, Westmorland and S.W. Scotland. He retired in 1946, after forty-six years service with the company.

SMITH. — Recently, Mr. William George Smith, M.P.S., 34 Welbeck Avenue, Southampton, Hants, aged sixty-four. Mr. Smith had been in business in Southampton for thirty-six years. He was managing director of George E. Gibson, Ltd., until his death.

SPARROW. — At Purley Hospital, on February 13, Mr. Arthur Barrington Sparrow, M.P.S., Foxley Lane, Purley, aged eighty-two. Mr. Sparrow had been in business for over sixty years, moving to Purley from Portsmouth in 1924. He was president of Redhill and Reigate Pharmacists' Association in 1926 and earlier of the Portsmouth and Southsea Association.

STORRIE. — At Peel Hospital, Galashiels, on February 19, Mr. William Henderson Storrie, M.P.S., 13 High Street, Selkirk. Mr. Storrie, who qualified in 1922, was director of Dunn & Robertson, 9 High Street, Selkirk.

TURNBULL. — On February 12, Mr. Thomas Turnbull, M.P.S., 11 Ripon Gardens, Jesmond, Newcastle-on-Tyne, aged seventy-one. Mr. Turnbull qualified in 1915.

PERSONALITIES

MR. R. M. DICKSON, M.P.S., Scottish area director of Boots, Ltd., has been appointed to the board of governors of the Heriot-Watt College, Edinburgh.

DR. CHARLES CLARK, a native of Kemnay, Aberdeenshire, who became a pharmacist in 1937 and utilised his pharmaceutical experience to earn money on night duty at Aberdeen Royal Mental Hospital while studying medicine at Aberdeen University was recently called to the Bar at the Middle Temple. He left school at fourteen and went to work in a local chemist's shop, becoming a registered pharmacist when he was twenty-one. He graduated M.B., Ch.B. from Aberdeen University soon after the 1939-45 war and following a spell of National Service in the R.A.F. moved to London to practise medicine, and to study law. Dr. Clark is married with a son and three daughters.

NEW PRODUCTS AND PACKS

Pædiatric Penicillin.—Eli Lilly & Co., Ltd., Basingstoke, announce the introduction of tablets V-Cil-K brand penicillin V potassium 60 mgm. pædiatric. The packs are containers of twenty, 100 and 1,000.

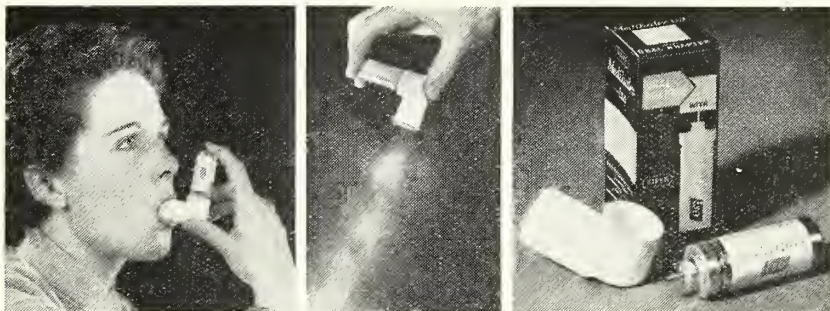
Percutaneous Analgesic.—Riker Laboratories, Ltd., Morley Street, Loughborough, Leics, are now sending out Intralgin, a new preparation for the treatment of painful muscular conditions. Intralgin, a percutaneous analgesic, is understood to act through direct penetration into muscle. The packs are bottles containing 8 and 32 fl. oz.

Protein-anabolising Steroid.—Lloyd-Hamol, Ltd., 11 Waterloo Place, London, S.W.1, are marketing a new product Anabolex "for the patient who just doesn't get well." Anabolex, which is described as "the protein-anabolising, non-virilising steroid" is claimed to bring about a return of appetite, increase in weight, and a sense of well-being. It is presented in vials of twenty-five and 100 tablets, each tablet containing 25 mgm. of androstanolone.

Medicinal Peat-mud Products.—Tom Hobson, 46 Crooked Billet, London, S.W.19, is the sole concessionaire for Great Britain and the British Commonwealth of a range of products based on muds obtained from subfossil peat bogs at Vorarlberg, Austria, and marketed under the name Peloidin. The preparations have been formulated by Dr. W. Kosmath and are understood to be highly concentrated, non-staining and odourless. They are recommended for use by sufferers from arthritis, rheumatism, sciatica, gout, etc.

A New Antibiotic.—Abbott Laboratories, Ltd., 3 Wadsworth Road, Perivale, Greenford, Middlesex, announce the discovery and development in their laboratories of a new antibiotic Spontin (ristocetin Abbott). Ristocetin has two components, A and B, which have been isolated in crystalline state from the fermentation beer of a new species of actinomycetes, *Nocardia lurida*. Both components are active against gram-positive bacteria and mycobacteria. The new product is claimed unique in several respects. With most organisms the antibiotic is bactericidal in about the concentrations at which it is bacteriostatic. Cultures of *Staphylococcus aureus* that are resistant to other antibiotics have been sensitive to Spontin, and resistance to Spontin is understood not to develop to the same degree as to other known antibiotics. Spontin is indicated for the treatment of Gram-positive bacterial infections (staphylococcal, streptococcal and pneumococcal). Limited supplies only are available at present for suitable clinical cases.

"Singing" Lip Colour.—A "singing" new lip colour, Calypso, becomes available from Yardley & Co., Ltd., 33 Old Bond Street, London, W.1, on March 3. It is being introduced to users by pages in full colour in women's magazines, and by black and white advertisements in the national Press.



Left to right: A Medihaler in use. Reproduction of untouched photograph showing the cloud of particles produced from the Medihaler in operation. Most of the particles are of 2.5 microns in diameter. Medihaler Iso propellant unit and oral adapter.

Remodelled Shaving Stick.—Shulton (Great Britain), Ltd., 160 Piccadilly, London, W.1, have redesigned the pack of their Old Spice shaving stick, which now appears in a push-up container that can be used "to the last bubble." A foil-wrapped refill is also available.

Shampoo with "Key Ingredient."—Following successful test-marketing in Bristol, Luton and Dundee, Smith & Nephew, Ltd., Bessemer Road, Welwyn Garden City, Herts, are introducing Nivea shampoo for general release. The shampoo "contains the key ingredient of all Nivea products—Eucerite which lubricates the scalp and the hair." Nivea shampoo lathers quickly, has a delicate perfume and is claimed suitable for dry, greasy or "normal" hair. Packs are a part-transparent sachet and a bottle.

Two New Aerosol Products.—Cupal, Ltd., Blackburn, Lancs, have added to their aerosol range Secto mothproofing and insect killer, a dual-purpose pack formulated primarily for use as a mothproofing (it is claimed to give protection to treated fabrics for up to two years) but is also an effective killer of crawling insects. Lethal to beetles and ants, it is also understood to be effective against spiders. Messrs. Cupal are introducing (also in the Secto series) a biting-insect repellent aerosol. For

strength it repels most kinds of mosquitoes for up to eight hours.

Internal Aerosol Treatment.—Riker Laboratories, Ltd., Morley Street, Loughborough, Leics, have introduced a new nebulising device, the Medihaler, which enables medicaments to be applied internally. The Medihaler is a small and compact apparatus comprising a plastic oral adapter or mouth-piece into which fits a pressurised aerosol vial. Pressure on the top of the vial operates the valve and delivers a dose of the medicament, also placing it in the correct position for delivering a second dose if needed. The pressurised vial, constructed of stainless steel, is resistant to corrosion, light-proof and shatter-proof and the valve parts are also of stainless steel, with washers of non-reactive rubber. The first of what are expected to be a number of Medihaler formulations are Medihaler-Epi, which contains 7 mgm. per mil of adrenaline bitartrate, B.P., suspended in an inert propellant, and Medihaler-Iso, each propellant unit of which contains 2 mgm. per mil of isoprenaline sulphate, B.P., suspended also in an inert propellant. Both are used for the treatment of bronchial asthma.

First Brushless Mascara.—Helena Rubinstein, Ltd., 3 Grafton Street, W.1, announce the introduction of Mascaramatic, "the first brushless mascara." Mascaramatic looks like a slim golden pen. To apply it the user unscrews the cap and pulls it out. Its "slender threaded tip, ready loaded with Helena Rubinstein's world-famous waterproof mascara" is neatly applied in correct amount. There are three colours: black and brown for daytime use and blue for evenings. For removal of the mascara there is available Helena Rubinstein's deep cleanser.

Spray Set with "Living Colour."—Fassett & Johnson, Ltd., 86 Clerkenwell Road, London, E.C.1, are acting as sole distributors for a new cosmetic speciality Clair de Lune spray set, whose special feature is that it both "sets" the curls and applies a spray of "living colour" in one of five shades (sable royal, copper flame, blue diamond, pure gold and black starlight), or in natural (tintless).



personal application, the product incorporates the repellent diethyltoluamide, new to this country and understood to have a longer-lasting effect than any other compound in its repellence to a variety of biting insects. When applied to the skin at full

INFORMATION WANTED

The Editor would appreciate information about:
Kupasthin Alkoderin ointment
Roll-on finger bandages

TRADE NOTES

Discontinued. — Ciba Laboratories, Ltd., Horsham, Sussex, have discontinued issuing the 1,000-product packs of their Perandren Linguets and methyltestosterone tablets, 5-, 10-, 15- and 50-mgm.

Sole United Kingdom Agents. — Carlton Laboratories (Southern), Ltd., 2 Norfolk Square, Brighton, Sussex, sole United Kingdom agents for Carlsbad Sprudelsalt, state that the product is now again available in this country, together with suitable show material.

German Fine Chemicals. — Knoll brand fine chemicals, manufactured by Knoll, A.-G., Ludwigshafen-on-Rhine, Germany, and marketed in Britain by Alwitt Trading Co., Ltd., 1 Broad Street Place, London, E.C.2, include Barbonin, bromisovalerylurea, pentamethylenetetrazol and theophylline.

Indemnity Against Tax Loss. — Molyneux et Cie (Designs & Perfumes), Ltd., 1 Berkeley Square, London, W.1, state that, on all orders for Molyneux merchandise placed between March 1 and April 5, they are crediting the customer with any loss that may result should a purchase-tax reduction be made in the forthcoming Budget.

Marketing Services for Manufacturers. — Intercontinental Marketing Services, Ltd., an organisation offering a specialist organisation and services to manufacturers of pharmaceutical and allied scientific products, have opened London offices at 28 St. James's Place, London, S.W.1. They undertake the development and execution of advertising programmes and offer a market advisory service.

Holiday Contest. — International Chemical Co., Ltd., 12 Chenies Street, London, W.C.1, announce a Kolynos holiday contest with prizes totalling £2,000. The prizes for customers are: (1) a family fortnight for four persons in Majorca or the South of France or £500 in cash; (2) a "royal" family fortnight for four persons at a Butlin's holiday camp or £200 in cash; (3) a fortnight for two at a Butlin's holiday camp or £100 in cash. There are also 240 consolation prizes of £5 each, and the chemists supplying the first, second and third prizewinners are to receive £150, £75 and £50 respectively.

Exhibitions and Fairs

LONDON MEDICAL. Revised dates: November 10-14 inclusive. At new hall, Royal Horticultural Society, London, S.W.1.

LEEDS MEDICAL. Leeds Town Hall, June 2-6. To be opened by Mr. S. J. Hartfall, M.D., F.R.C.P. (professor of clinical medicine, Leeds University) at 2.45 p.m. on June 2. Inquiries to Mr. J. E. Colley, 194 Bishopsgate, London, E.C.2.

Bonus Offers

MERCK SHARP & DOHME, LTD., Hoddesdon, Herts. Sucrets lozenges. Offer (6 doz. charged as 5½ doz.) closes February 28.

FASSETT & JOHNSON, LTD., 86 Clerkenwell Road, London, E.C.1. Clair de Lune spray-set. Thirteen to doz. plus one dummy aerosol container for display.

CUPAL, LTD., Blackburn, Lancs. Sceto insecticides (all kinds, including new aerosol biting-insect repellent and mothproof-and-insect-killer aerosol). Until April 30.

WRIGHT, LAYMAN & UMNEY, LTD., 42 Southwark Street, London, S.E.1. Wright's domestic and garden anti-pest preparations. Twelve invoiced as eleven. On minimum order of 3 doz.

MANUFACTURERS' ACTIVITIES

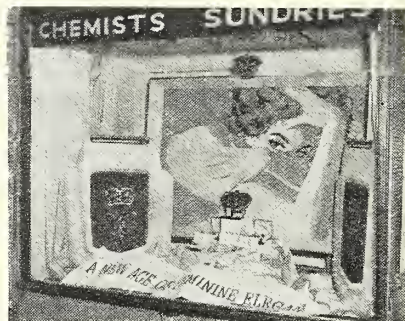
Cocktail Party. — On January 30, a cocktail party was held at the premises of N. C. Brown, Ltd., Heywood, Lancs, in connection with an exhibition and film show featuring the Cortina Story, the Dexion Story and the Ghana Story. Representatives of trade publications, local dignitaries, and local heads of industries were present. Messrs. N. C. Brown are leading distributors of Dexion equipment.

Twenty-five Years' Service. — About thirty members of the staff of the speciality department of Esso Petroleum Co., Ltd., London, N.W.1, were presented recently with gold watches to mark the completion of twenty-five years' service. The decision to present watches was taken only recently by the directors, so the service of some of the recipients was well over the twenty-five years. Among the recipients were

NINETY-NINE

Proprietors or secretaries of businesses that have arrived at their ninety-ninth year of establishment are asked to communicate with the Editor, **THE CHEMIST AND DRUGGIST**, 28 Essex Street, London, W.C.2.

Messrs. W. N. D. Stevens (general manager), J. R. Cowlin (sales manager), S. Trott (production manager), Freemantle (works chemist) and numerous members of the office staff. Also included were the following representatives: Messrs. D. R. Anderson, M.P.S., Yorkshire; G. Grey, London; J. Morris, M.P.S., Wales; A. Robertson, Lancashire; and A. Sheperd, South Coast.



WINDOW DISPLAY: A window show recently put in at the premises of George Spencer & Sons, Ltd., wholesale chemists, 155 North End Road, London, W.14, followed the theme of current advertisements for the Remington Princess shaver, and was set off by the slogan "A new Age of Feminine Elegance."

TROPICAL AND COLONIAL PRODUCTS

New premises and functions for an old-established body

DURING the past two to three months the Colonial Products Laboratory has been settling into new premises at 56 Gray's Inn Road, London, W.C.1. At its previous home — the Imperial Institute Building, South Kensington — its facilities have served the Commonwealth (and latterly more particularly the colonial territories) for over sixty years. With the change of location the name of the organisation is being changed to the Tropical Products Institute, in anticipation of its function again broadening to that of assisting and advising territories (not necessarily colonies) in tropical and subtropical regions, including countries that have recently acquired independence within the Commonwealth. The Institute is continuing its work on behalf of all colonial territories (tropical, subtropical and temperate).

The building that now accommodates the Tropical Products Institute was erected in 1955 on a bombed site opposite Gray's Inn, though it was not originally intended for use as laboratories. It has been adapted by the Ministry of Works to provide the Institute with 44,000 sq. ft. of modern accommodation. In addition to basement storage space, the building has seven floors above ground, with laboratories on all but the uppermost.

Eight self-contained laboratories are devoted to advisory and investigational work on the main groups of plant and

animal products of the tropics. The staffs of those laboratories are responsible for answering inquiries about the renewable resources of the tropics — inquiries put to the organisation by questioners both at home and overseas. In the near future up to seventy-five research workers will be employed — about double the present total. A proportion of the bench space is being given over to training overseas students and other visiting workers. In carrying out its function as consulting laboratories for the Colonies the C.P.L. dealt in 1957 with 745 inquiries, among them several that required investigations into essential oils, spices and vegetable drugs. The Laboratory suggests crops that may be cultivated in an area and gives encouragement where there is hope that such crops can be successfully marketed. At the same time it discourages projects not economically viable. Among recent tasks undertaken the Laboratory was called upon to find out the best time at which to gather sage leaves to get the highest yield of oil of best composition. That inquiry was from Cyprus. For British Honduras an investigation was undertaken into the possibility of establishing a naval-stores industry, and the conclusions arrived at may be useful to other Colonies, in particular Mauritius. Other oils investigated or under investigation include patchouli from Sarawak, jasmin from Central Africa.

FIGURES IN THE PHARMACEUTICAL WORLD

THE British Pharmacopœia, 1958, which appears on Monday and becomes official in September, is the second produced under the editorship—as secretary of the Pharmacopœia Commission—of Mr. T. C. Denston. The latest in a distinguished succession of editors, Mr. Denston may be said to personify the tendency for the Pharmacopœia to require increasingly the services of pharmacists and chemists in its compilation. The B.P., 1914, was edited by a physician, with the late Professor Greenish (a former Dean of the College of the Pharmaceutical Society) as his second in command. The editor of the pharmacopœias of 1932 and 1948 (the late Dr. C. H. Hampshire) held both pharmaceutical and medical qualifications. Mr. Denston is a pharmacist, a holder of the London degree of Bachelor of Pharmacy since shortly after it was instituted, and a Fellow of the Royal Institute of Chemistry, but not a medical man. His aptness for the post is undeniable, and indeed his whole previous career seems to have been a preparation for his present appointment.

Like many others who have achieved eminence in pharmacy, Mr. Denston was attracted into it by its characteristic blend of practice and theory. Work at the dispensing bench, perhaps, encourages the inquiring mind to probe the science beneath the rule of thumb and in its turn provides the means of presenting in usable form the knowledge acquired from study. In Mr. Denston's career that ambivalence has been echoed and emphasised by pendulum-like alternations of commercial and academic, administrative and executive posts.

Scholarship and Prize

Entering pharmacy in the three years from 1919 by the unusual route of an apprenticeship with a manufacturer, in the course of which he was especially concerned with the making of pills, tablets and galenicals, he passed into "the retail" as an assistant to Cope & Taylor, pharmaceutical chemists, Derby. While there he was encouraged by an enlightened employer to sit for the Leverhulme scholarship, which he won, gaining in the same year—1924—the Fairchild prize. After gaining both Minor and Major qualifications in 1925 he returned to the manufacturing side for three years with John Bell & Croyden. From manufacture he switched to teaching. In 1928, he joined the staff at Bradford Technical College. At that date the pharmacy school at Bradford was in its early days of full-time courses. Denston's subjects were pharmacognosy and pharmaceuticals, and it was while at Bradford that he prepared—at first in collaboration—the well-known "Textbook of Pharmacognosy" (now in its fifth edition) that is associated with his name. From Bradford he went in 1932 to Chelsea Polytechnic with the higher status of lecturer in pharmacognosy, and there he remained until early in 1940 when, seconded to the War Office, he worked in the Army Medical Department.



59. MR. T. C. DENSTON

When the scope of the Ministry of Supply was extended he went into its Directorate of Medical Supplies, and from there, when penicillin first came into prominence as a realisable weapon in the fight against bacterial infections, to the Penicillin Production Control as senior scientific officer. 1945 brought the end of the war and a term to his work for the Government. It also brought a vacancy (caused by the premature death of Mr. C. E. Corfield) in the editorial chair of the British Pharmaceutical Codex. Mr. Denston, who had already seen service as a member of the pharmacognosy subcommittee of the Codex, had unique qualifications for the post and secured the appointment. It provided a natural step to promotion as secretary of the Pharmacopœia Com-

mission of the General Medical Council. Coming as the intended successor to Dr. Hampshire, he served as deputy secretary for twelve months before taking over.

As editor of the Pharmaceutical Society's scientific publications he had been responsible for the 1949 Codex, for the [now British] National Formulary (jointly with Dr. Potter) and for an edition of the "Pharmaceutical Pocket Book." With the Pharmacopœia Commission he has likewise a number of related activities. For example, in the international field he participates in the work of the World Health Organisation, particularly as a member of the expert panel on the International Pharmacopœia, and of its subcommittee on international non-proprietary names,

and he is a member of the working group on drug standards under the Western European Union. At Assemblies of the International Pharmaceutical Federation he has served as chairman of the meetings of secretaries of the national pharmacopœia commissions. At home, he is a member of the Joint Formulary Committee, of the Standing Pharmaceutical Advisory Committee, of the Pharmaceutical Society's board

of examiners, of appropriate committees of the British Standards Institution, and of the Chemical Divisional Council.

Just as it is essential that in modern conditions the editorship of the Pharmacopœia should be in the hands of a pharmacist and chemist, so it is a matter on which pharmacists and the pharmaceutical industry may congratulate themselves that the actual holder of the post is a person of wide experi-

ence, with innumerable contacts and friendships in industry and at Whitehall. Friendly and approachable, Mr. Denston makes no parade of his knowledge or industriousness, but it is a proof of his efficiency that, in spite of growing complexities of compilation and printing, the second of the quinquennial pharmacopœias appears "dead on time." It now only remains to make a study of its contents.

DRUG CONTROL IN HOSPITALS

Minister of Health comments on report

IN a memorandum to Regional Hospital Boards, Hospital Management Committees and Boards of Governors, Mr. Derek Walker-Smith (Minister of Health) has commented on the Report on the Control of Dangerous Drugs and Poisons in Hospitals (see *C. & D.*, February 22, p. 198) as follows: *No hospital should be entirely without the services of a pharmacist.* It is recognised in the Report that there may be some delay in giving effect to that recommendation owing to the shortage of applicants, but hospital authorities are asked to take all possible steps to ensure that at least the part-time services of a pharmacist shall be available to each hospital according to its needs. *A method of checking drugs administered by the nursing staff.* Checking in the manner recommended by the Committee should be a strict rule with regard to Dangerous Drugs and Schedule I poisons and where calculation or intricate preparation is required. The Minister accepts the desirability of that procedure on every occasion but recognises that its rigid application to the administration of all medicines might not be everywhere practicable in present circumstances. *Each ward unit to have a separate cupboard for Dangerous Drugs; scheduled poisons, other medicines, reagents, and disinfectants and cleaning materials.* Some hospital authorities will need to install additional cupboards in ward units for that purpose, and that should be done as opportunity offers. Whenever possible cupboards should include the standard poisons cupboard with an inner locked compartment for Dangerous Drugs manufactured to the specification in British Standards 2881; 1957 (Cupboards (Wall-fixing) for Poisons and Dangerous Drugs). *The use of fluted bottles for preparations not intended for oral or parenteral administration.* It may well take some time to implement that recommendation, not only because the replacement of existing stocks of drugs will necessarily be a gradual process, but because the resulting increased demand for fluted bottles may give rise to some delay in supplies. The Glass Manufacturers' Federation has been informed of the recommendation and no undue delays are expected.

The Minister of Health also reminded hospital authorities of advice given in the Report of the Central Health Services Council for 1953 with regard to measures necessary to reduce the danger of the wrong solution being injected into hospital patients. Among points of interest to pharmacists were:

that printing on ampoules should run parallel to the long axis and should be as nearly as possible indelible and of such a colour as to ensure legibility; irrelevant information should be excluded; that the contents of an unlabelled container should be discarded; labelling and relabelling should be carried out only by a responsible member of the staff of the pharmaceutical department of the hospital; that orders to hospital pharmacists for injectable materials should not be given orally, but should always be in writing and clearly written; so far as practicable, injectable fluids should be dispensed in ampoules as single doses; that solid

drugs such as thiopentone sodium should be properly dissolved before injection to ensure that, if the same ampoule has to be used for more than one dose, the later doses are not stronger than the first. A mixing needle or cannula should be used to prepare solutions of those substances for injection; that ampoules containing different drugs should be stored separately; and that the best method of surface sterilisation of ampoules was to wipe them over with a swab dipped in industrial methylated spirit diluted to a strength of 70-75 per cent. of ethyl alcohol (diluting four parts of industrial methylated spirit with one part of water).

A LABOUR VIEW ON PROPRIETARIES

Ex-minister puts the stress on social medicine

MEMBERS of the Proprietary Association of Great Britain acknowledged the wit and charm of Mr. ARTHUR BLENKINSOP, M.P., who addressed them in London on February 20, but did not conceal that what he had to say to them was for the most part unpalatable. Mr. Blenkinsop, a former Parliamentary Secretary to the Ministry of Health (under a Labour Government), was giving "My Views on Proprietary Medicines."

MR. S. W. DAY, who presided because the Association's chairman (Mr. Ernest Brown) was ill (though making favourable progress), had said that the Association was proud of its contributions to the national welfare, and considered that its products could relieve if not "cure" an overtaxed National Health Service.

Mr. Blenkinsop, though he acknowledged that the Association's code of standards was impressive, and its standards desirably high, made it clear that he thought that the standards should be applied by an independent authority with statutory powers. His emphasis was on social medicine, in which doctors would become leaders in a group of health workers, and the approach to health would be "more positive." Were the manufacturers of proprietary medicines, he asked, going to work in line with, or against, that trend? Were they going to create in the public greater anxiety about their pains or would they help in removing the underlying cause of those problems? To what extent was concentration on immediate symptoms cloaking the underlying causes of them?

"Some of us," said Mr. Blenkinsop, "are worried about the extent of those anxieties." The industry must adopt a responsible attitude, in such ways as its own present system of control.

Mr. Blenkinsop believed it important that the public should know what was being done both statutorily and voluntarily to maintain controls over self-medication. "Many of us are doubtful whether existing controls are enough in this present day and age." The field for self-medication should be as defined and as limited as possible.

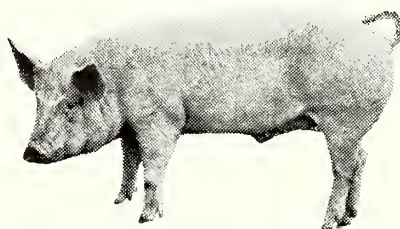
Another aspect was that the country should make a greater contribution to countries with a lower standard of living, even at some sacrifice in Britain. Could that be done with advertisers' goodwill? It seemed as though the people were moving into a society where many new wants were being created by the activities of advertising. He did not see how the two things could both be done.

MR. P. G. E. WARBURTON, who thanked the speaker on behalf of the Association, said he fully agreed that the Association's rules should be more widely known. The Association thought that they had been fairly successfully applied. They thought the products of members were a useful supplement to the National Health Service. The more educated public of today was not so easily misled, and advertisements that were not sincere were not successful. Of one thing their speaker could be sure—"the members of the Association don't like too much bureaucracy."

Advertisement Standards Code

The British Code of Standards relating to the Advertising of Medicines and Treatments, to which reference was made in these columns last week, is issued by a Committee on which are twelve associations and societies with interests in advertising (including the Proprietary Association of Great Britain) and not as previously stated.

The Soluble Worm Powder



'Pipricide' is safe, efficient and quickly soluble in water. It is also easily mixed with the food, and in all circumstances readily accepted by the animal. These are the advantages that mark 'Pipricide' as the outstanding anthelmintic for the treatment of roundworm infestation in horses, pigs and poultry. These are the advantages that will appeal to your farming customers.

We are featuring 'Pipricide' in the farming press. Further, we have a range of display material to aid your efforts. Order 'Pipricide' now, in tins of 1 oz. and 8 oz., to meet the certain demand.

'PIPRICIDE'

BRAND

Worm Powder (Veterinary)



BURROUGHS WELLCOME & CO. (The Wellcome Foundation Ltd.) LONDON

5326

G

ANNOUNCING THE WONDERFUL 'KOLYNOS' HOLIDAY CONTEST

Sitting on your Counter

£2000

WORTH OF HOLIDAYS AND CASH FOR YOUR CUSTOMERS

BIG REWARDS FOR YOU TOO!

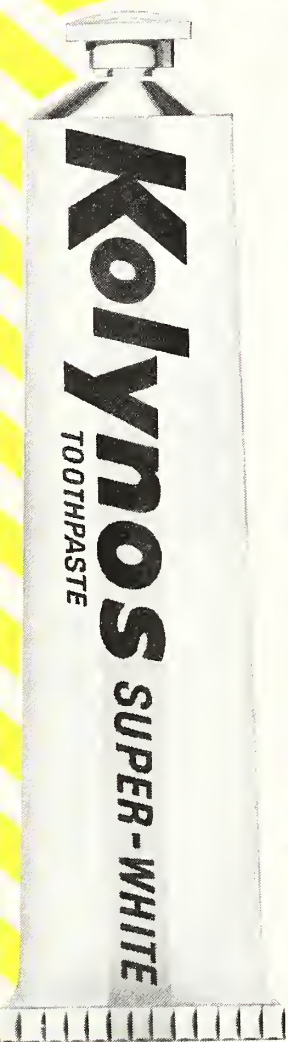
Here's a real Spring sales booster . . .

It's the great new 'Kolynos' Holiday Contest. It means that every customer who comes into your shop has a chance of winning one of three magnificent holidays (or equivalent cash). And there are 240 consolation prizes of £5 each into the bargain. It's a sunny prospect for you and them!

All you have to do is make sure that you show prominently the "Holiday Contest" Display Card which also carries a dispenser for Entry-forms . . . and stock up well with 'Kolynos' Toothpaste.

And here's how you benefit. If any of your customers win the 1st prize you will receive £150. If any of your customers win the 2nd or 3rd prize, you will get £75 or £50 accordingly.

This exciting 'Kolynos' Holiday Contest is being advertised in large spaces in the National and Sunday Press ("Radio Times", "T.V. Times", "People", "Sunday Pictorial", etc.) and closes on April 14th, 1958. Stock up with 'Kolynos' Super-White and Chlorophyll Toothpastes now. Bring sunshine into your 'Kolynos' Spring sales!



Now! Enter this exciting

£2000

'KOLYNOS'

HOLIDAY

CONTEST

Win a 'dream' Holiday for you and your family

FREE ENTRY-FORM TAKE ONE!

£2000

**PUT THIS
COUNTER-DISPENSER
FOR ENTRY-FORMS
RIGHT UP FRONT!**

What your customers do

It's easy. They simply arrange, in order of importance according to their judgment, eight sales-points about 'Kolynos' Toothpaste. Then they complete, in not more than ten words, a sentence beginning, "I like 'Kolynos' Toothpaste because . . ."

To enter all that is required is an Entry-form and an empty 'Kolynos' Toothpaste carton. No limit to entries, provided that each is accompanied by its own 'Kolynos' carton. Results will be published in "Competitors' Journal" on May 3rd, 1958.

What your customers win

**1ST
PRIZE**

A Family Fortnight for 5 persons in Majorca or the South of France with expenses paid plus pocket money. Arranged by *Butlin's* Travel Services Ltd. OR, £500 cash.

**2ND
PRIZE**

A "Royal" Family Fortnight for 4 persons at a *Butlin's* Holiday Camp with expenses paid plus pocket money. OR, £200 cash.

**3RD
PRIZE**

A Fortnight for Two at a *Butlin's* Holiday Camp with expenses paid plus pocket money. OR, £100 cash.

Also 240 consolation prizes of £5 each

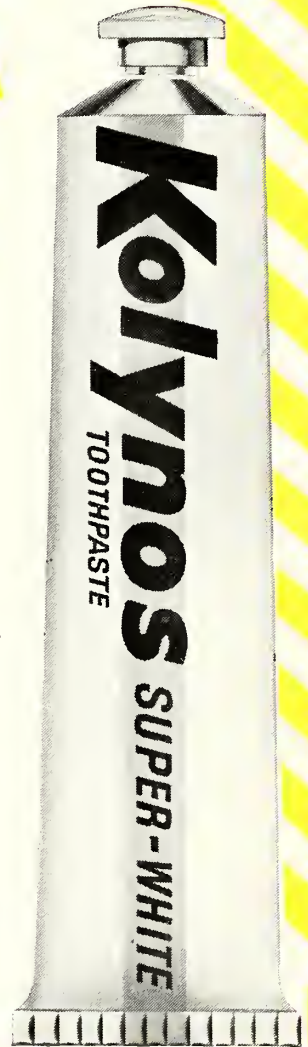
Note: Should your customers already have booked a Butlin holiday, Butlin's Ltd. will provide £50 extra spending money if they win one of the major prizes.

WHAT YOU CAN WIN

If your customer wins the 1st prize you will get £150. If your customer wins the 2nd or 3rd prize you will receive £75 or £50 accordingly.

STOCK AND DISPLAY 'Kolynos' TOOTHPASTE !

INTERNATIONAL CHEMICAL COMPANY LTD., 12 CHENIES STREET, LONDON, W.C.1



The
BEATSON TABLET
now available
in AMBER

- ★ Distinctive SQUARE Shape.
- ★ Caps available in Black, White and Red Plastic or White Enamelled Metal.
- ★ Full-Automatic Production.
- ★ Prompt Despatch from Stock.
- ★ Available in the following sizes :-
 $\frac{1}{2}$ $\frac{3}{4}$ 1 $1\frac{1}{2}$ $1\frac{3}{4}$ 2 $3\frac{1}{2}$ oz.



Be sure to specify BEATSON
Samples available on request

"The Sign of a



Good Bottle"

BEATSON, CLARK & CO., LTD. GLASS BOTTLE MANUFACTURERS
ROTHERHAM ESTABLISHED 1751 YORKS

The CHEMIST AND DRUGGIST

For Retailer, Wholesaler and Manufacturer

ESTABLISHED 1859

Published weekly at

28 Essex Street, Strand, London, W.C.2

TELEPHONE CENTRAL 6565

TELEGRAMS: "CHEMICUS ESTRAND, LONDON"

A Film on Better Retailing

WORK study is not a subject that lends itself to generalised teaching on a mass scale, and retailers may be inclined to think that little is being done to help them solve the special problems they face in deploying staff to the best advantage. In the past any retailer who wanted to have his methods analysed from that point of view would have had only one course open to him, namely to pay a consultant to undertake the work. Recently, however, the British Productivity Council, realising that work study is of particular importance in retail shops because of the vast amount of manpower employed there, has been co-operating with the Retail Distributive Trades Conference to produce a film, provisionally entitled "A Nation of Shopkeepers," aimed at giving retailers an idea how work study may be applied in the shop. An ironmonger's shop is featured in the film because the Productivity Council was advised by its experts on retailing that the problems of the ironmonger were typical of those facing the majority of small and medium-sized shops whatever their trade. Among those problems are shortage of capital, inconvenient and out-of-date premises, difficulty in recruiting and training staff, and keeping costs within bounds. The film indicates how work study, with its objective, questioning approach, may help retailers solve those problems and at the same time increase profits. During the process of explaining the principles of work study the film shows two changes in the ironmonger's shop. The first illustrates how a haphazard and awkward layout that may just have grown up over the years may be improved by simple alterations that result in a more effective use of assistants' time and a higher rate of serving customers at peak periods. Changes of that kind require little or no expenditure. In the second stage the development is carried even further along the same lines by separating goods that lend themselves to selection by the customer from those that do not. That device increases still further the number of sales that can be handled by each assistant without lessening the valuable personal contact with the customer.

The film is not concerned only with layout. It also touches upon problems of balancing work between peak and slack periods, stock control, display, and store-keeping. The points it makes on each of the subjects are based on the results of an extensive survey carried out by a work-study unit in the premises of an ironmonger in North London. An examination was also made of the relative speeds at which different types of goods were sold and their relative profit margins. The script of

the film has been based on that survey, and the "set," which is in a North London Territorial Army drill hall, reproduces faithfully the actual interior of the shop. The film is expected to be available for distribution early in May. It has not been possible in the running time to include all the data compiled during the survey, and the Council is therefore publishing a booklet on "Work Study in Retailing," containing information in greater detail.

Overseas Trade in January

ALTHOUGH the value of United Kingdom exports of drugs, medicines and medicinal preparations was, at £3.4 millions, slightly above the 1957 monthly average of £3.3 millions, the total was achieved despite lower purchases by countries that are traditionally the best markets. It is true that Australia, normally the largest buyer, remained so again in January, but her purchases were, at £242,591, well below the 1957 average. The import restrictions imposed in the latter half of 1957 by India, usually the second largest customer—restrictions that are being continued until the end of June—were clearly reflected in the value of medicines, etc., shipped there during the month, falling to £96,638 from an average of £285,000. Nigeria, with considerably in-

EXPORTS		VALUE
Drugs, medicines, medicinal preparations (total)	...	£ 3,410,681
Vitamins	...	234,922
Penicillin salts	...	247,662
Penicillin injections	...	56,673
Penicillin tablets, ointments, etc.	...	38,677
Antibiotics other than penicillin	...	479,218
Quinine	...	11,752
Alkaloids, excluding quinine	...	88,514
Aspirin	...	98,310
Antihistamines	...	38,751
Antipaludics	...	53,894
Barbiturates	...	44,470
Liver extracts	...	8,489
Ointments and liniments	...	116,588
Insulin	...	36,455
Sulphonamides	...	123,665
Proprietary medicines	...	916,448
Other medicines, unclassified	...	777,781
Glycerin	...	66,807
Acetone	...	11,964
Citric acid	...	27,501
Salicylates	...	23,221
Perfumery and toilet preparations
Lipstick, face powder, etc.	...	334,617
Dentifrices	...	187,975
Toilet soaps	...	222,817
Synthetic detergents	...	614,629
IMPORTS		£
Vitamins	...	111,032
Antibiotics	...	207,033
Alkaloids	...	53,428
Proprietary medicines	...	64,606
Unclassified medicines	...	299,418
Borax	...	128,166
Iodine	...	12,628
Menthol	...	27,778
Essential oils
Bergamot	...	13,710
Citronella	...	16,933
Clove	...	2,812
Geranium	...	34,338
Lavender	...	13,213
Lemon	...	106,618
Orange	...	11,520
Peppermint	...	82,228
Unclassified	...	232,472

creased purchases (at £224,260) was this month the second largest customer, while Pakistan, also with higher shipments than normal (£130,140), was third.

The export and import values of various medicinal items for which statistics are published are given in the tables on p. 231. It is noteworthy that penicillin shipments were at their highest for at least two years, while other antibiotics were at their best since June 1957. The value of aspirin has understandably fallen from the peak of the past few months, but shipments of

sulphonamides were well maintained. Imports of prepared medicines, at £735,517, were at a fairly high level, though a survey of previous figures shows that the value varies substantially month by month.

Total United Kingdom exports in January were valued at £277.8 millions, 4.5 millions less than in the previous month. With imports at £325 millions and re-exports at £12.6 millions, the excess of imports, valued at c.i.f., over exports and re-exports, valued f.o.b., was £34.7 millions.

PHARMACEUTICAL SOCIETY OF NORTHERN IRELAND

Monthly meeting of Council

MR. G. E. McILHAGGER (president) was in the chair at the monthly meeting of the Council of the Pharmaceutical Society of Northern Ireland held in Belfast on February 21. Also present were Messrs. J. Caldwell, H. G. Campbell, W. H. Boyd, H. W. Gamble, O.B.E., H. F. Moore, R. M. Watson, W. J. Thornton, C. A. Quinn, W. S. Hall, J. Kerr, W. P. Ewart, A. Templeton, R. Gibson, O.B.E., W. Tate, Professor E. B. C. Mays, Dr. R. G. R. Bacon, Dr. J. H. Cronhelm, and Mr. W. Gorman (secretary). Apologies were received from Messrs. S. E. Campbell, F. R. Moore and P. R. W. Shinner.

THE PRESIDENT said it was his sad duty to refer to the loss suffered by the Council in the death of the vice-president, Mr. Charles E. Moss (see *C. & D.*, February 8, p. 142). Since joining the Council Mr. Moss had worked hard on committees and in general Council duties. Mr. McIlhagger found Mr. Moss's support and wise counsel as vice-president invaluable and members of the Council had looked forward to the day when Mr. Moss would have occupied the presidential chair. Much of Mr. Moss's business had been in the field of laboratory chemicals and scientific glassware and his loss would be felt keenly by the University, and by industrial and hospital laboratories all over Ulster.

MR. C. A. QUINN said that Mr. Moss had been his assistant about twenty years ago. His death came as a great shock and a great grief to all who knew him. Mr. Moss would be sadly missed in the Council and in pharmacy in general. The Council agreed to forward a message of sympathy to Mr. Moss's widow and family. MR. W. GORMAN (secretary), reported that he had received a letter of sympathy from the Pharmaceutical Society of Ireland on the death of Mr. Moss. Mr. Gorman was instructed to express thanks to the Irish Society for the message. Messages of condolence had also been received from Dr. R. Timoney (dean of the College of Pharmacy, Dublin) and Sister Mary Berchman Roche (Medical Missionaries of Mary).

THE PRESIDENT extended a welcome to Dr. H. J. Cronhelm (the representative of the Medical Committee of Northern Ireland on the Council).

The Ministry of Home Affairs wrote approving the appointment of the board of examiners for 1958.

The Council approved an application from Mrs. Eve Cox, a member of the Pharmaceutical Society of Great Britain, for registration in Northern Ireland.

On a motion by MR. CALDWELL, seconded by MR. BOYD, it was agreed to grant the use of the Society's rooms on March 19 to the Ulster Chemists' Association for a whist drive in aid of the Chemists' Benevolent Fund.

The Council, on a motion by MR. CALDWELL, seconded by MR. H. G. CAMPBELL, adopted a recommendation of the House Committee to redecorate the entrance to the Society's house. Mr. Caldwell also reported that the House Committee had considered the question that arose at the previous Council meeting on the extension of the Society's premises. Mr. Caldwell said the plans prepared in 1938 for

alterations to the Society's House were considered. It was found that the cost in 1938, so far as building alone was concerned, was £2,000. The purpose of the alterations was to provide a laboratory and a room in which to hold examinations. In view of those considerations the Committee thought that, bearing in mind the present-day costs, it would be advisable not to proceed further with the plans submitted and to recommend that, if the Council wished to proceed with the matter, new plans should be obtained.

MR. BOYD said it would be unlikely that the Society could get central premises and, if premises were found, car-parking in the city centre would present great difficulties. MR. GAMBLE proposed that new plans should be prepared for the consideration of the House Committee. Additional accommodation was required for meetings of the Society and for lectures. MR. BOYD said that a larger lecture hall was needed. The Council adopted the proposal.

The report of the Finance Committee was adopted on the motion of MR. THORNTON (chairman of the Committee), seconded by MR. R. M. WATSON.

On the suggestion of THE PRESIDENT, it was agreed to thank Queen's University for the use of accommodation for the series of lectures recently given by Professor O. W. Wade (see *C. & D.*, January 25, p. 82). Mr. McIlhagger said the lectures had been well attended and the course had proved to be a great success and would be of lasting value to pharmacy.

On the motion of MR. J. CALDWELL, seconded by MR. TEMPLETON, it was agreed to co-opt Mr. John Gordon, 39 Middle Green, Dunmurry, co. Antrim, to the Council. Mr. Gordon succeeds the late Mr. John McGregor.

The reports of the board of examiners on the December 1957 examinations were tabled and on the motion of MR. H. G. CAMPBELL, seconded by MR. CALDWELL, it was agreed to refer them to the Education Committee for report.

A PHARMACIST'S ANTHOLOGY A CUPFUL OF SOAPSUDS

From *Lark Rise to Candleford* by Flora Thompson

THE general health of the hamlet was excellent. The healthy, open air life and the abundance of coarse but wholesome food must have been largely responsible for that; but lack of imagination may also have played a part. Such people at that time did not look for or expect illness, and there were not as many patent medicine advertisements then as now to teach them to search for symptoms of minor ailments in themselves. Beecham's and Holloway's Pills were already familiar to all newspaper readers, and a booklet advertising Mother Siegel's Syrup arrived by post at every house once a year. But only Beecham's Pills were patronised, and those only by a few; the majority relied upon an occasional dose of Epsom salts to cure all ills. One old man, then nearly eighty, had for years drunk a cupful of frothing soapsuds every Sunday morning. "Them cleans the outers," he would say, "an' stands to reason they must clean th' innards, too." His dose did not appear to do him any harm; but he made no converts.

Onward from Galen

A CURRENT CAUSERIE

ONE of the most fashionable physicians in eighteenth-century Germany, whose writings on pharmacology for long ranked as classics, was Balthasar Ludwig Tralles, who was born at Breslau 250 years ago (on March 1, 1708). He studied at Leipzig and later at Halle, where he graduated M.D. in 1731, and then took up medical practice in his native town. Tempting calls came from several universities but he remained faithful to Breslau. A prolific writer, his interests embraced theology, philosophy, medicine and pharmacology. On the pharmacological and medical side his books include "Opii usus Salubris et Noxius in Morborum Medela" (1757-62), and "Historia Cholerae Atrocissimæ" (1753). He was a keen advocate of smallpox inoculation. He died on February 7, 1797.

★
A JOURNALIST on a weekly paper has made, according to the *Manchester Guardian*, a collection of amusing phrases used by people in sending in information to his office. "Mr. Jones was on the door . . ." was one, and another brought a hint of hoof marks on the keys with "The Bridle March was also played." Possibly it was the same unfortunate bride who "wore a very full skirt cut with a small train," and who later "travelled in a black and white outfit." "The doctor gave a demonstration on spring mattresses" seems to prove that at least one prescriber gets away from his surgery and into the homes of his patients. I, too, have my collection of phrases. They are less amusing but more purposeful, showing that pharmacy has made its characteristic contributions to enriching the language. "The fly in the ointment," "the mixture as before," "forced to swallow his own medicine," and "her comments were tintured with malice" have an obvious origin in pharmacy.

QUININE BY A NEW BRITISH MAKER

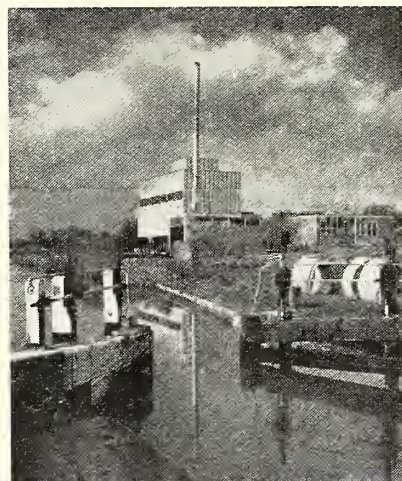
Bark to alkaloid under one-man control

PRODUCTION recently commenced at a new British quinine manufacturing plant at Berkhamsted, Herts. The building in which it is housed, part of the factory of Lake & Cruickshank, Ltd., was described while still in course of erection about two years ago (*C. & D.*, March 23, 1956, p. 320).

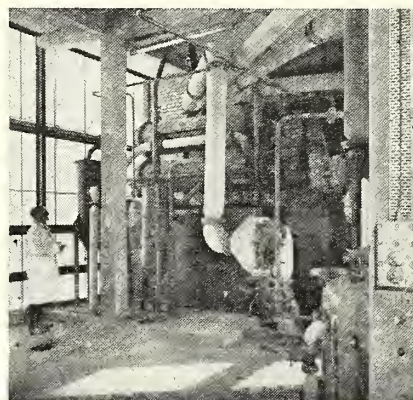
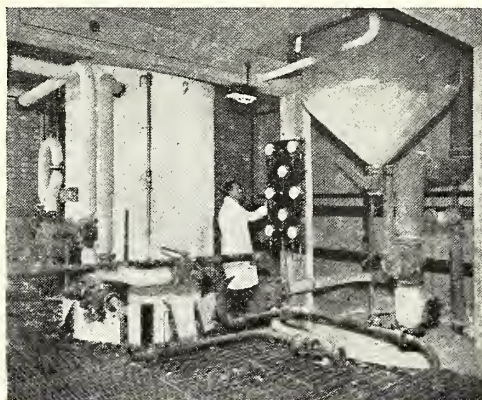
A main point of interest about it is that it was built around the plant, for which a strong staging was paramount, the walls and roof being little more than cover for the process. The result is a unit so compact, and so highly planned, mechanised and instrumentalised that the whole operation from acceptance of the cinchona bark from the suppliers to delivery of the extracted alkaloid ready for final purification requires only the supervision of a single operative.

Sacks of the bark are raised by electric hoist to the third floor of the tower-like building. It is tipped into a hopper and from that point proceeds on its way without human intervention. From the hopper it passes downward by gravity into a disintegrator, which converts it into a homogeneous dust best adapted for maximum and most economical yield of alkaloid. The brown powder is raised by bucket elevator into a mechanical mixer. Into the mixer is delivered also a basic mix, pumped from a mixing vessel on the same floor. After the powdered bark and the basic mix

View of the works as seen from the Grand Union Canal.



have been fully blended (in little more than ten minutes) the product is ready for the extractor, to which the transfer is made again without manhandling. The extractor and solvent evaporator immediately form a single column the base of which is on the floor below. It is in circuit with a condenser and cooler so that the solvent is continuously passing through the mixed bark and base until, after some hours, extraction is complete. The alkaloid, impure of course, emerges fused, but forms into granules that pass down by open duct to ground-floor level. From there it is taken across to the main building where, in two or three filtrations and crystallisations, the purification is completed. The plant is at present working a twelve-hour day, but output can readily be put on a twenty-four-hour-a-day basis.



Left: A sack of bark is emptied on to a hopper from which it is fed into a disintegrator. Centre: The powdered bark is extracted with solvent. Right: The solvent is recovered for reuse. The plant, which is in accordance with Merz designs, was constructed by Rose, Downs & Thompson, Ltd., Hull.

A Laboratory for "PRODUCT" Research

HOW SOME OF THE PROBLEMS PECULIAR TO THE BEECHAM GROUP OF COMPANIES ARE HANDLED

RESearch work in the pharmaceutical division of the Beecham Group is organised at three levels. Long-term fundamental work in medicinal chemistry is done at the Group's laboratories at Brockham Park, Surrey. Short-term development work on existing products is dealt with by the control laboratories of the operating companies, at whose factories the products are made.

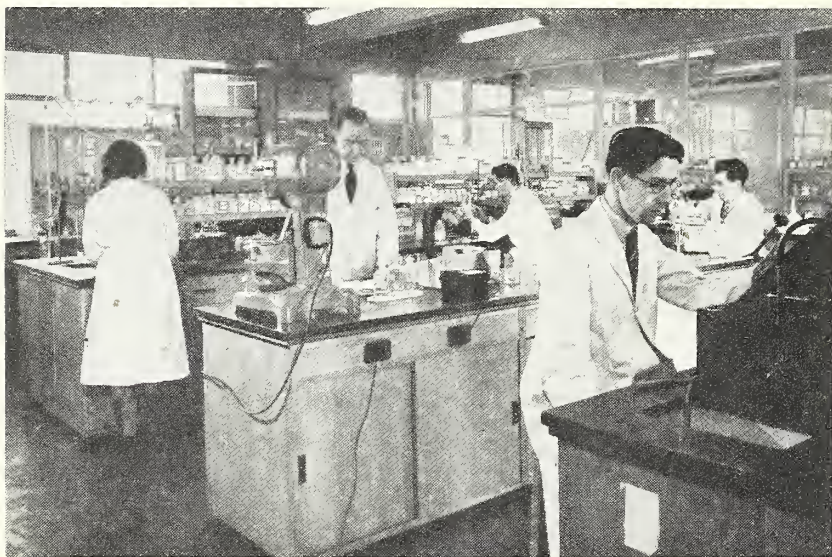
Between those levels is a third type of research named, for reasons that derive from the set-up of the Group, "product" research. That research is concerned with the problems arising from the formulation of new pharmaceutical products, and has as its primary object the conversion of new or existing drugs into finished products suitable for

departments' teak-topped work-benches are 3 ft. high, with "personal" cupboard, drawer and waste-bin on the inner frontage and which, on the outer, open on to a gangway running the length of the room and giving access to the biological department and product managers' offices.

The activities carried out in each bay have led to the design of a number of specialised pieces of apparatus, such as an "artificial stomach" in which antacid products are tested, and which records the pH changes that occur when the antacid is dropped into a volume of artificial gastric juice equivalent to the amount normally present in a resting stomach. Thereafter the apparatus delivers further acid at a controlled rate corresponding with the average rate of gastric secretion, and a time-switch turns off the "stomach" when all the antacid has been used up.

Another piece of equipment whose prototype was devised and built in the laboratory workshop attached to the department is an "artificial tongue"—a rotating disc of filter cloth kept moist by a controlled flow of water. The apparatus measures the "sucking-down time" of tablets under standard conditions by holding the tablet at a given pressure against the rotating "tongue" and signalling the end-point of the operation by a magnifying lever device, which closes an electrical circuit when the whole of the tablet has been "sucked" away by the action of the disc.

In a separate physical instrument room are carried out tests involving the use of apparatus such as the ultra-violet spectrophotometer, polarograph, microbalance and similar extra-sensitive or expensive items of equipment. The building's advantage of superlative lighting has, unfortunately, to be set



The main chemical laboratory

placing in the hands of the consumer. The Beecham-Maclean product-research laboratories carry out that work on behalf of the two operating proprietary companies: Beecham Pharmaceuticals, Ltd., St. Helens; and Macleans, Ltd., Brentford; and of the Group's "ethical" company, C. L. Bencard, Ltd., Park Royal and Feltham.

The laboratories occupy about 6,000 sq. ft. on two floors of a modern factory building in the Great West Road, Brentford. They include pharmaceutical and biological departments, a tableting-research section, six constant-temperature rooms for prolonged storage under all possible climatic conditions, a laboratory workshop, and a photographic dark-room.

The products with which the establishment is concerned are, for convenience, dealt with in pharmacological groups such as antacids, analgesics, laxatives, etc., irrespective of the company that may be concerned with their manufacture. Each group is handled by a small team in the main pharmaceutical laboratory under the direction of a product manager.

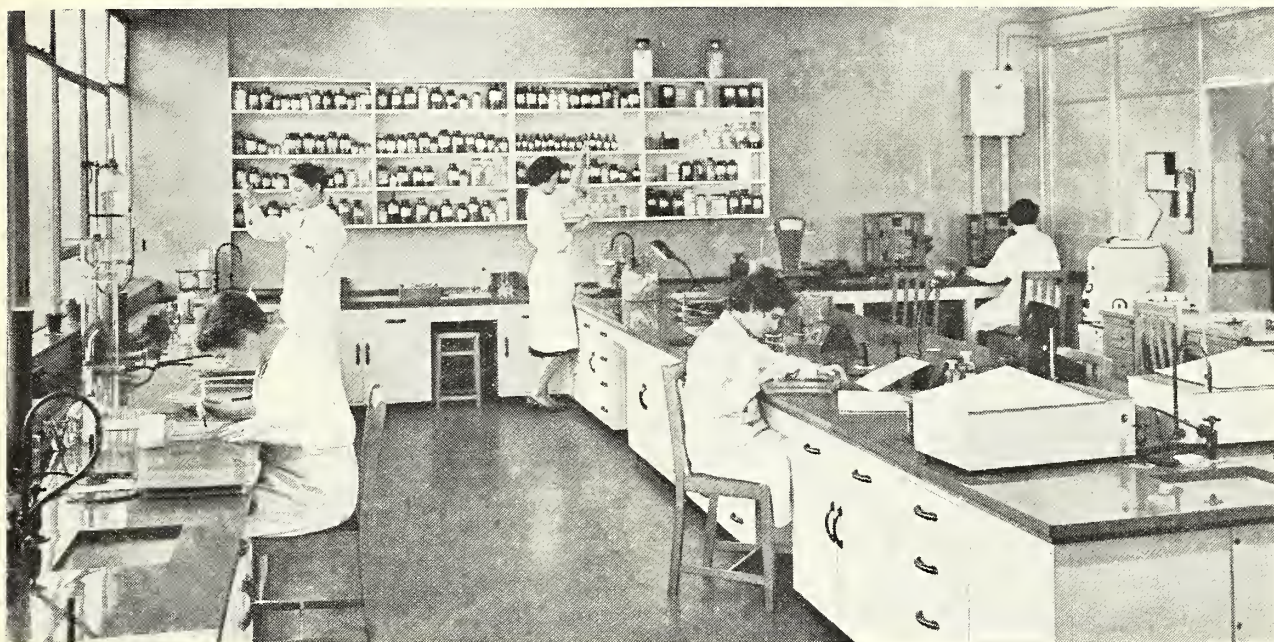
Subdivision of the work in that way is reflected in the layout of the main laboratory—an airy, spacious and generously illuminated room divided into two working areas by a transverse block of ten glass-fronted cupboard units capable of holding all the glassware used in the department. Each of the two areas is further subdivided into bays in which the work of the various teams is concentrated. The

against the disadvantage that it is situated on a main traffic artery out of London. Being steel-framed, the building is particularly susceptible to vibration, and special precautions have had to be taken to reduce that to a minimum where sensitive apparatus is being used. In the instrument room a heavy concrete table supported by brick piers, with a bituminous layer between piers and floor, serves as an antivibration support for semi-micro balances and galvanometers. The balances stand on a sheet of plate glass, with sponge rubber interposed between the glass and the concrete table-top. The vibration of even the heaviest traffic is thereby reduced to bearable proportions.

In other parts of the laboratory considerable success in the battle against vibration has been achieved by the simple device of supporting the legs of the balances on boxes of 100 circles of filter paper, with small holes cut through the centres of the lids so that the leg actually rests on the topmost circle of filter paper. That device, not unknown to laboratory workers, is at least as effective as some of the expensive antivibration units described in the apparatus catalogues.

Readings by Telescope

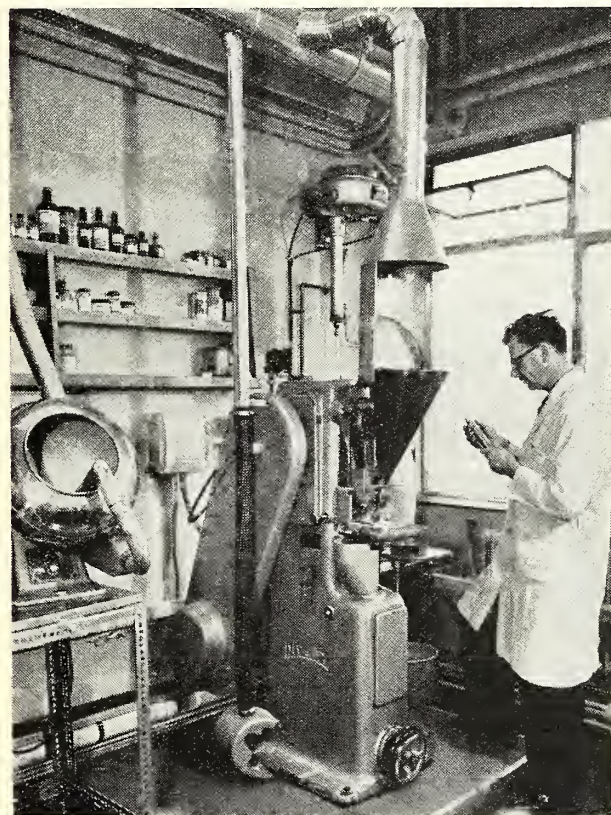
For testing the take-up of moisture by water-sensitive materials an apparatus in use comprises a quartz-spring McBain balance housed in a constant-temperature cabinet. While the material under investigation is exposed to known



Microbiological work in progress in the main laboratory of the biological department

water-vapour pressures, readings of the spring extension are taken through the glass window of the cabinet by means of a telescope mounted on a cathetometer. That and other special items of equipment were constructed in the laboratory workshop, which is understandably considered to be an indispensable adjunct to the laboratories.

The biological department is subdivided into four sub-laboratories, plus a separate autoclave room and wash-up. Throughout the department maximum daylight illumination is conserved by deliberate use of white or light colours on



A section of the tableting research laboratory

benches and fittings. The biological benches are 2 ft. 6 in. high, with laminated-plastic tops for easy cleaning. The lower bench-height was chosen to facilitate the reading of plate assays and the use of microscopes—operations more conveniently performed when the worker is sitting on a chair than when he or she is perched on the usual laboratory stool. The largest laboratory in the department is devoted to microbiological assay work, for many of the Group's products are complex vitamin mixtures that can only be assayed biologically. A smaller, "dark" laboratory is set aside for the assay of light-sensitive materials such as riboflavin, whilst the other two laboratories in the department are concerned primarily with bacteriological tests.

Reference has been made to a section of the department given over to extended storage tests. It comprises a suite of six windowless rooms, lagged for thermal insulation and kept at constant temperatures throughout the year. The rooms are paired off in such a manner that access to a 50° C. chamber is gained *via* a 30° C. room; to a 37° C. room (blood heat rather than 40° C. is adopted for the convenience of the biological department) through a 20° C. room; a -5° C. "deep-freeze" room is approached by way of a 5° C. refrigerated chamber. On the wall outside the rooms a six-pen temperature recorder is mounted. It enables the internal conditions to be noted, checked or adjusted at maximum convenience and at any time. A series of constant-humidity cabinets in each of the storage-test rooms enables any desired climatic conditions from arctic to tropical, desert to rain forest, to be simulated.

Research on Tableting

As a considerable number of the Group pharmaceutical products are marketed as compressed tablets, the tableting-research laboratory is an important feature of the organisation. It is equipped with a full range of rotary and single-punch machines as used in the operating companies' factories, together with granulating mixers, coating pans, drying ovens and ancillary testing equipment, some of it standard, other items specially devised within the organisation.

Attached to the laboratories are a small library and a "product museum." The library contains enough text-books to meet the daily needs of the technical staff.

The total "establishment" of the laboratories is about forty persons, of whom one-third are graduates. The scientist in charge is Dr. L. J. Edwards, M.Sc., Ph.D., F.R.I.C. (chief product manager, Beecham Maclean, Ltd.).

GUIDE TO NEW MEDICAMENTS

Information about proprietary products supplied principally on prescription. Reprints on perforated gummed paper for affixing to index cards are obtainable from the Editor. Notes on the products are given on p. 238

THE CHEMIST AND DRUGGIST Guide to New Medicaments, March 1, 1958

ORGRAINE

MANUFACTURER: Organon Laboratories, Ltd., Brettenham House, Lancaster Place, London, W.C.2.

DESCRIPTION: Tablets containing: Ergotamine tartrate B.P., 1 mgm.; caffeine, B.P., 100 mgm.; hyoscyamine sulphate, 0.0875 mgm.; atropine sulphate, 0.0125 mgm.; phenacetin, 130 mgm.

INDICATIONS: Migraine (relieving the headache), visual disturbances, nausea and vomiting.

DOSAGE: Two tablets immediately symptoms occur, then one tablet every twenty to thirty minutes until the attack aborts. The total tablets required to abort an attack should be noted and subsequently that number should be taken as an initial dose. Not more than six tablets should be taken in a day or 10 in a week.

HOW SUPPLIED: In boxes of ten and 100 foil-stripped tablets.

FIRST ISSUED: November 1957.

POISONS CLASSIFICATION: P.I. S.1.

NOTES: Orgraine tablets, like all preparations containing ergotamine, are contra-indicated if peripheral vascular disease, coronary disease, angina pectoris, hypertension, renal or hepatic dysfunction, or pregnancy exists.

THE CHEMIST AND DRUGGIST Guide to New Medicaments, March 1, 1958

MIDICEL

MANUFACTURER: Parke, Davis & Co., Ltd., Staines Road, Hounslow, Middlesex.

DESCRIPTION: Tablets each containing 0.5 gm. of 3-sulphanilamido-6-methoxypyridazine (sulphamethoxypyridazine).

INDICATIONS: Infections responsive to sulphonamide therapy, including respiratory infections, urinary tract infections, lung abscesses, bacterial dysentery, rheumatic fever, and asymptomatic bacilluria in pregnancy.

DOSAGE: *Adults*: 2 tablets on first day of treatment, then 1 tablet daily or 2 tablets on alternate days. In severe infections, 4 tablets then 1 tablet every twenty-four hours.

Children: $\frac{1}{2}$ tablet the first day for each 20 lb. of body-weight (6.25 mgm. per lb. bodyweight), followed by half that dose daily.

HOW SUPPLIED: In vial of twelve and bottles of 100 and 250. FIRST ISSUED: January 1958.

REFERENCES: Jackson, G. G., and Griebler, H. G., *Ann. N.Y. Acad. Sci.*, 1957. 69. 493. Walker, W. F., and Hamburger, M., *ibid.*, 1957. 69. 509. Ross, S., *et al.*, *ibid.*, 1957. 69. 501.

NOTES: S.4.

* New cross reference for card index:

SULPHAMETHOXYPYRIDAZINE: See Midicel, Parke, Davis & Co., Ltd.

THE CHEMIST AND DRUGGIST Guide to New Medicaments, March 1, 1958

CHYMAR

MANUFACTURER: The Armour Laboratories, Armour & Co., Ltd., Hampden Park, Eastbourne, Sussex.

DESCRIPTION: Intramuscular injections containing lyophilised chymotrypsin, 5,000 Armour units per vial.

INDICATIONS: Accidental injuries: Black eyes, bruises, etc. In surgery: Biopsies, cellulitis, etc. In obstetrics, eye diseases and certain chest conditions.

DOSAGE: 5,000 units per day until clinical improvement.

HOW SUPPLIED: In box of three vials and three 1-mil ampoules sterile normal saline.

FIRST ISSUED: December 1957.

REFERENCES: Jenkins, Ben. H., *J. Geo. A. Med. Asso.*, October 1956. Hendley, C. D., Robbins, K. C., Dertinger, B., Clemens, G. R., and Ercoli, N., *Arch. Int. de Pharmacodyn.*, 1956. *cvl.* 1-2. Kunitz, M., and Northrop, J. H., *J. Exp. Med.*, 1954. 99. 387. Tagnon, H. J., Weinglass, A. R., and Goodpastor, W. E., *Amer. J. Physiol.*, 1945. 143. 644.

THE CHEMIST AND DRUGGIST Guide to New Medicaments, March 1, 1958

SUSTANON 100 and 250

MANUFACTURER: Organon Laboratories, Ltd., Brettenham House, Lancaster Place, London, W.C.2.

DESCRIPTION: Mixed testosterone esters in oil for intramuscular injection giving immediate and prolonged effect. Each ampoule of Sustanon 100 contains: Testosterone propionate, 20 mgm.; testosterone phenyl propionate, 40 mgm.; testosterone isocaproate, 40 mgm. Sustanon 250 contains 30 mgm., 60 mgm. and 60 mgm. respectively, as well as 100 mgm. of testosterone decanoate.

INDICATIONS: Inoperable mammary carcinoma and indications for androgen therapy.

DOSAGE: In most indications, 1 mil. Sustanon 100 every two weeks or 1 mil. Sustanon 250 every four weeks. Inoperable mammary carcinoma may require higher dosage.

HOW SUPPLIED: In boxes of one or three 1 mil. ampoules of each strength.

FIRST ISSUED: November 1957.

NOTES: Testosterone is contra-indicated in prostatic carcinoma and inadvisable in prostatic hypertrophy.

THE CHEMIST AND DRUGGIST Guide to New Medicaments, March 1, 1958

CORTEF ointment

MANUFACTURER: Upjohn of England, Ltd., Fleming Way, Crawley, Sussex.

DESCRIPTION: Ointment containing hydrocortisone free alcohol. B.N.F.

INDICATIONS: Contact and atopic dermatitis, allergic and infantile and other eczemas, pruritus ani, etc.

HOW SUPPLIED: In tubes of 5 and 20 gm. and jar of 50 gm. in strengths of 1 per cent. and 2.5 per cent.

FIRST ISSUED: November 1957.

POISONS CLASSIFICATION: T.S.A.

THE CHEMIST AND DRUGGIST Guide to New Medicaments, March 1, 1958

PROCTOSEDYL ointment and suppositories

MANUFACTURER: Roussel Laboratories, Ltd., 843 Harrow Road, London, N.W.10.

DESCRIPTION: Ointment containing: Hydrocortisone free alcohol, 5 mgm.; cinchocaine hydrochloride, 5 mgm.; Soframycin, 10 mgm.; aesculin, 10 mgm., in water-miscible vehicle to 1 gm. Each suppository, with cocoa-butter base, contains identical ingredients.

INDICATIONS: Haemorrhoids and haemorrhoidal complications.

DOSAGE: Ointment: apply in small quantity with the finger on painful or pruritic area morning and evening and after each stool. Suppositories: insert one morning and evening and after each stool.

HOW SUPPLIED: Ointment: in tube of 5 gm. Suppositories: in box of six.

FIRST ISSUED: November 1957.

POISONS CLASSIFICATION: T.S.A. (Part II).

NOTES: Store in cool place—not in refrigerator. The two forms are complementary, but use of the ointment is indicated alone during painful crises accompanied by sphincteric spasm.

* New cross reference for card index:

PHENOXYMETHYLPENICILLIN: See Calcipen V, Calcipen V for injection, Calcipen V suspension, Penavlon V, penicillin V tablets and oral liquid, Glaxo, and V-CIL-K tablets.

THE CHEMIST AND DRUGGIST Guide to New Medicaments, March 1, 1958

PLAQUENIL

MANUFACTURER: Bayer Products, Ltd., Neville House, Eden Street, Kingston-on-Thames, Surrey.

DESCRIPTION: Scored tablets, each containing 400 mgm. hydroxy-chloroquine sulphate.

INDICATIONS: Discoid lupus erythematosus; rheumatoid arthritis; malaria.

DOSAGE: Discoid lupus erythematosus; rheumatoid arthritis: 1 tablet (400 mgm.) once or twice daily for several weeks or months according to response. Doses of up to 6 tablets (2400 mgm.) daily may be given. Malaria: A three-day schedule of 5 tablets (2 gm.); suppressive dose, 1 tablet weekly.

HOW SUPPLIED: In containers of 100 and 500 tablets.

FIRST ISSUED: January 1958.

REFERENCES: *Jour. Am. chem. Soc.*, 1950, **72**, 1814. *A.M.A. Arch. Dermat.*, 1955, **71**, 415, *ibid.*, 1956, **73**, 572 and 576. *Jour. Amer. med. Ass.*, 1956, **161**, 879. *Cleveland Clinic Quarterly*, 1957, **24**, 98.

NOTES: Plaquenil has a fifth of the toxicity of chloroquine and doses of up to 2,400 mgm. daily have been given without toxic effects.

THE CHEMIST AND DRUGGIST Guide to New Medicaments, March 1, 1958

SALURIC

MANUFACTURER: Merck Sharp & Dohme, Ltd., Hoddesdon, Herts.

DESCRIPTION: Scored tablets each containing 0.5 gm. chlorothiazide.

INDICATIONS: Oedema, pregnancy toxæmia, nephrosis, hepatic cirrhosis, etc.

DOSAGE: 0.5 gm. to 2 gm. daily for three to five consecutive days each week, or as required.

HOW SUPPLIED: In bottles of 100 and 500 tablets.

FIRST ISSUED: January 1958.

REFERENCES: *Brit. med. J.*, 1957, *ii*, 1355. *Lancet*, 1958, *i*, 120, 124.

THE CHEMIST AND DRUGGIST Guide to New Medicaments, March 1, 1958

Influenza virus A (Asian) vaccine

MANUFACTURER: Wright-Fleming Institute of Microbiology, St. Mary's Hospital Medical School, London, W.2. Distributors: Parke, Davis & Co., Ltd., Staines Road, Hounslow, Middlesex.

DESCRIPTION: A vaccine derived from influenza virus A/Singapore/1/57. Standardised by hæmagglutination. Each ml. contains 10 mg. aluminium phosphate. Thiomersal 0.01 per cent. (preservative).

INDICATIONS: Prophylaxis of influenza (Asian type).

DOSAGE: *Adults*: 1 mil then 1 mil three to four weeks later. *Children*: Ten to sixteen years, two-thirds of the adult dose; seven to ten years, one-half of the adult dose; two to seven years, one-third of the adult dose; under two years, one-tenth of the adult dose.

HOW SUPPLIED: In 1-mil ampoule and 1-mil vial.

FIRST ISSUED: December 1957.

THE CHEMIST AND DRUGGIST Guide to New Medicaments, March 1, 1958

Influenza virus A (Asian) vaccine

MANUFACTURER: Glaxo Laboratories, Ltd., Greenford, Middlesex.

DESCRIPTION: A vaccine prepared from the Asian strain (A/Singapore/1/57) of influenza virus A isolated early in 1957.

INDICATIONS: For immunisation against Asian strain of influenza virus.

DOSAGE: A dose of 1 mil produces antibodies about fourteen days after inoculation. For optimum effect, a second dose three to four weeks later is recommended. Administer by deep subcutaneous injection.

HOW SUPPLIED: In containers of six 1-mil or two 1-mil ampoules.

FIRST ISSUED: December 1957.

* New cross reference for card index:

INFLUENZA VIRUS A (Asian) VACCINE: Suppliers: Glaxo Laboratories, Ltd.; Parke, Davis & Co., Ltd.

THE CHEMIST AND DRUGGIST Guide to New Medicaments, March 1, 1958

RHINOCORT

MANUFACTURER: Ward, Cassenne, Ltd., 15 Hay Hill, London, W.1. Distributors: Fassett & Johnson, Ltd., 86 Clerkenwell Road, London, E.C.1.

DESCRIPTION: A nasal spray containing phenylephrine hydrochloride, 0.12 per cent.; ephedrine hydrochloride, 0.5 per cent.; prednisolone 0.01 per cent.; neomycin sulphate, 0.06 per cent.

INDICATIONS: Inflammatory and allergic nasal conditions.

DOSAGE: *Adults*: Two or three instillations in each nostril every three hours. *Children*: One or two instillations in each nostril every four hours.

HOW SUPPLIED: In plastic micro-spray nebuliser containing 15 mils of spray solution.

FIRST ISSUED: January 1956.

THE CHEMIST AND DRUGGIST Guide to New Medicaments, March 1, 1958

GONADYL tablets

MANUFACTURER: Roussel Laboratories, Ltd., 843 Harrow Road, London, N.W.10.

DESCRIPTION: Tablets each containing 50 international units of serum gonadotrophin (F.S.H.).

INDICATION: Acne vulgaris.

DOSAGE: Administration strictly by the sublabial or sublingual route. Course of treatment lasts twelve weeks and requires 100 tablets. 2 tablets daily for first 4 weeks; 1 tablet daily for second 4 weeks; 1 tablet on alternate days for third 4 weeks.

HOW SUPPLIED: In pack of twenty-five tablets.

FIRST ISSUED: November 1957.

REFERENCES: Aron-Brunetière, R., *Sem. Hôp. Paris*, 1956, **32**, 2094. Cohen, E. L., *Lancet*, 1957, *ii*, 647. MacKenna, R. M. B., *Lancet*, 1957, *ii*, 600.

NOTES: Store in cool place in the sealed containers. Maximal improvement takes place only after full course of treatment (improvements and exacerbations of the condition may occur during treatment).

THE CHEMIST AND DRUGGIST Guide to New Medicaments, March 1, 1958

V-CIL-K tablets

MANUFACTURER: Eli Lilly & Co., Ltd., Basingstoke, Hants.

DESCRIPTION: Tablets each containing 125 or 250 mgm. of potassium phenoxymethylpenicillin.

INDICATIONS: For the treatment of all infections due to penicillin-sensitive organisms where parenteral penicillin would formerly have been used.

DOSAGE: 125 mgm. every six hours (four times daily) increased to 250 mgm. or more every six hours in severe infections.

HOW SUPPLIED: In bottles of twelve, 100, 500 and 1,000 tablets.

FIRST ISSUED: December 1957.

SUPPLY RESTRICTIONS: T.S.A. (Part II).

THE CHEMIST AND DRUGGIST Guide to New Medicaments, March 1, 1958

CROLAX

MANUFACTURER: The Crookes Laboratories, Ltd., Gorst Road, Park Royal, London, N.W.10.

DESCRIPTION: Capsules containing dioctyl sodium sulphosuccinate, 50 mgm.; 1:8 dihydroxyanthraquinone, 25 mgm.

INDICATIONS: Functional constipation, impacted fæces, constipation in geriatrics, hæmorrhoids, etc.

DOSAGE: *Adults*: 2 capsules at night. *Children*: 1 capsule at night or at the discretion of the physician.

HOW SUPPLIED: In bottles of twelve or fifty capsules.

FIRST ISSUED: December 1957.

REFERENCES: *J. Amer. med. Ass.* 1955, 158.

GLASGOW PANEL FACE QUESTIONERS

Problems range from refresher courses to radioisotopes

A PANEL of four (two members of the Branch, Mr. W. C. Carmichael and Mr. R. M. McCrone (both former chairmen of the Branch) and two students, Mr. I. Forster and Mr. J. Irvine, from the Royal College of Science and Technology, Glasgow) invited questions on pharmaceutical affairs from members of Glasgow and West of Scotland Branch on February 12. Mr. R. B. Birrell (chairman of the Branch) presided.

Present Requirements

MR. G. CAMPBELL asked if it was the opinion of the panel that the present educational policy of the Society was producing a better pharmacist. MR. R. M. MCCRONE said that that was his opinion, with which Messrs. FORSTER and IRVINE agreed. MR. CARMICHAEL thought that a different type of pharmacist, more suited to present-day requirements, was being produced—he had less manipulative skill and less resourcefulness but more technical knowledge, but on the whole he thought that the present-day pharmacist was the better. PROFESSOR J. P. TODD remarked that it was not a question of being better, but of being better adapted to the different conditions prevailing. MR. A. MCFEAT said that training in practical work with radioactive drugs would be given in colleges next year and asked whether refresher courses for pharmacists would be provided. MR. W. C. CARMICHAEL said that there was no demand from pharmacists for such courses. MR. IRVINE thought that refresher courses were desirable but that no one was interested in them. PROFESSOR J. P. TODD said that the pharmacist should be the man qualified to handle radioisotopes in the course of his business. MISS E. MILLER said that an opportunity should be given to the older pharmacist to have a training in handling those new products. MR. D. H. O. GEMMELL (a member of the Royal College staff) who has done much work with radioisotopes, said that it would be some considerable time before the retail pharmacist would handle them but he recognised that hospital pharmacists would be using them before long and arrangements would be made for demonstrations to be given to them. MR. D. MUNRO asked what was the opinion of the panel on the policy of the Colleges in discontinuing the Diploma course. MR. MCCRONE ascribed that to the internal policy of the colleges. He thought that the degree course was preferable. PROFESSOR TODD said that some people appeared to have very little faith in the Pharmaceutical Society. The Universities were always ready to take advice from experienced people. He forecast that the forensic pharmacy examination would disappear and that a new course would replace it. Far from being in agreement that graduates would not find their way into the retail side of pharmacy he said he hoped and believed they would and that, by their presence, they would uplift it. The number of pharmacies would gradually be reduced. MR. R. RICHMOND asked

the views on the desirability of limiting the number of pharmacies on a population basis. MR. CARMICHAEL said that limitation on that basis would be very difficult, but that, if limitation were desirable, he could not visualise any other method.

MR. J. PRINGLE asked the views on the setting up of a financial pool to help young pharmacists to set themselves up in business. MR. CARMICHAEL pointed out that the National Pharmaceutical Union scheme was not applicable to Scotland and he considered that there were not enough pharmacists in Scotland to finance such a scheme. MR. MCCRONE pointed out that the cost of operating a pharmacy in some of the new housing schemes was fantastic. It was not uncommon for premises, rented by a town council, to cost the occupier from £450 to £500 in rent plus owner's and occupier's rates alone. The premises would be in the shopping area of the scheme, with about 2,500 people to cater for initially, rising to 8,000 on completion of the housing programme.

MR. G. CAMPBELL asked if the British Pharmacopœia had outlived its usefulness and should be relegated to a shelf. MR. MCCRONE said that he did not agree that that was the case and was surprised that anyone should not find it a book for constant reference. MR. J. CHILTON asked what pharmacists expected from apprentices and conversely, what apprentices should expect from pharmacists. MR. MCCRONE said that he would expect a great wealth of theory and very little on the practical side. He would expect co-operation from his apprentice and he, on his side, would expect to learn something from him. MR. IRVINE put the apprentice-masters into three classes: the man who knew everything; the man who "considered we're all buddies"; the man who would listen to what his apprentice had to say, but who was boss and imparted his knowledge to his apprentice. MR. CARMICHAEL said he would expect two things: a sense of responsibility and good manners. If his apprentice had those attributes the rest would follow. MR. FORSTER required one thing in an apprentice-master: a sense of humour. A vote of thanks was proposed by MR. W. C. MACMASTER (secretary).

NOTES ON NEW MEDICAMENTS

Comments on items given in Guide to New Medicaments (pp. 236-37), especially to show their relationship—pharmacological or chemical—with other products or compounds.

SUSTANON.—*Chemistry:* Esters of testosterone. Esterification of that hormone yields products of increased but varying solubility, and Sustanon is a preparation in which they are balanced to give a prolonged effect. Thus the propionate content gives a relatively rapid response, followed by the rather slower action of the phenylpropionate. The extended activity thus achieved is sustained by the use of testosterone isocaproate. In Sustanon 250 the activity is spread over several weeks by the addition of the very slowly absorbed ester testosterone decanoate. Other long-acting preparations of testosterone are represented by Primoteston (testosterone propionate and enanthate), and TPP (testosterone phenyl propionate). Perandren M Crystals and Testafon are aqueous suspensions of testosterone isobutyrate and propionate respectively. Implants of testosterone are also available.

ORGRAINE.—Ergotamine tartrate is a standard treatment of migraine, but the side-effects of the drug often prevent the administration of an adequate dose. In Orgraine the specific effect of the ergotamine tartrate is enhanced by the inclusion of caffeine, and belladonna alkaloids are included to reduce nausea and vomiting, thus permitting the retention of an effective dose of ergotamine. Phenacetin is also included, so as to relieve the residual effects of the migraine attack. Cafergot, also used in the treatment of migraine, contains ergotamine and caffeine. Migril has similar constituents, plus cyclizine to suppress the nausea and vomiting caused by the migraine, the ergotamine, or both. Other drugs used in the treatment of migraine include the antihistamines, methyl pentynol, and nicotiny alcohol (Ronicol).

MIDICEL.—*Chemistry:* Sulphamethoxypyridazine, or 3-sulphanilamido-6-methoxypyridazine. That sulphonamide is characterised by a slow rate of excretion and, as it is rapidly absorbed, it enables high blood levels of the drug to be maintained by a daily dose of one tablet (0.5 gm.). That low dose, and the consequent low concentration in the urine, reduce the risk of crystalluria or other renal complications. The drug appears to be suitable for routine administration in schemes for the prophylactic treatment of rheumatic fever and bronchiectasis. Lederkyn is another brand of sulphamethoxy-

pyridazine, and sulphamerazine is an older example of a slowly excreted sulphonamide.

GONADYL.—*Chemistry:* The follicle-stimulating hormone, a glycoprotein with a molecular weight of about 70,000. Apart from its actions on the ovary, the hormone is effective in the treatment of acne vulgaris. The scope of therapy has hitherto been limited, as injections are absorbed too rapidly, leading to a worsening of the condition. Ordinary tablets are useless owing to destruction by the digestive enzymes, but in the sublingual tablets absorption is effected without loss of potency. Other remedies for acne vulgaris are for external use. They include antibiotic products such as Soframycin, Polyfax and Myciguent, and elegant sulphur preparations as exemplified by Derma-sulf.

PROCTOSEDYL.—Represents an attempt to combine the therapeutic properties of four drugs in the treatment of hæmorrhoids: hydrocortisone (anti-inflammatory), cinchocaine (local anaesthetic), Soframycin (antibacterial) and aesculin (astringent and hæmostatic). Other products for local application in hæmorrhoids are represented by Hæmacones (suppositories of xylocaine, phenol and zinc oxide), Nupercainol, Polycrest (amethocaine, benzocaine and phenylmercuric nitrate), Parmacetin is an oral remedy designed to give symptomatic relief; it contains cetacum, ethyl hydroxy ethyl cellulose and magnesium hydroxide.

CHYMAR.—A solubilised preparation of chymotrypsin, the proteolytic enzyme obtained from mammalian pancreas. Apart from its proteolytic power, Chymar has anti-inflammatory properties, hence its use by injection when inflammation and œdema retard healing. Tryptar and Trypure are other trypsin products, mainly intended for topical application or for instillation.

V-CIL-K.—*Chemistry:* Potassium phenoxymethyl penicillin. Phenoxymethyl penicillin, introduced as the free acid, is one of the most stable and most effective of the penicillin derivatives used in oral therapy. More recently it has been shown that the potassium salt, being immediately soluble, is absorbed more rapidly and gives a high blood level of penicillin. To obtain the maximum response the drug should be taken on an empty stomach, when the blood levels attained may be double those obtained with phenoxymethyl penicillin acid and four times those obtained with potassium penicillin G. Distaquaine V-K is a similar product.

Inability to take aspirin . . .

IT HAS BEEN reported (*Brit. med. J.*, 1 : 444, 1957) that of 178 rheumatic patients, 25% could not take plain aspirin in adequate dosage.

Of this 25%, however, the great majority tolerated a modified aspirin such as Paynocil.

Not only are Paynocil tablets usually well tolerated by the stomach (even on the heavy dosage needed for rheumatoid arthritis), but they are extremely palatable, disintegrate instantly on the tongue without water, and cause no discomfort or unpleasant after-sensation.

. . . indicates



**non-irritant, palatable,
quick-dispersing aspirin**

FOR ADULTS

PAYNOCIL

EACH TABLET CONTAINS

Acetylsalicylic acid 10 grains

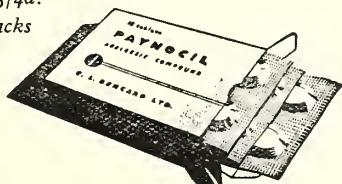
Aminoacetic acid 5 grains

PACKAGES in sealed foil strips: Cartons of 18:

Retail Price 3/4d.

Dispensing packs of 240:

Trade Price (tax free) 21/8d.



FOR CHILDREN

Junior PAYNOCIL

EACH TABLET CONTAINS

Acetylsalicylic acid 2½ grains

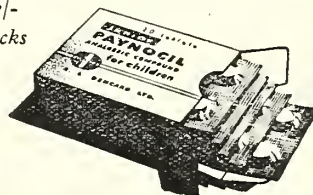
Aminoacetic acid 1¼ grains

PACKAGES in sealed foil strips: Cartons of 20:

Retail Price 2/-

Dispensing packs of 240:

Trade Price (tax free) 12/-



**Detailed recommendations for dosage in rheumatoid arthritis
will be gladly supplied on request**

603 Ph./65(68)-1

C. L. BENCARD LTD. PARK ROYAL, LONDON, N.W.10

'Marsilid'

TRADE MARK

BRAND

IPRONIAZID

'Marsilid' is a potent amine oxidase inhibitor and, as a consequence, intervenes in the metabolism of amines such as serotonin, adrenaline and noradrenaline. It is probable that this property of 'Marsilid' accounts for many of the observed clinical effects of this drug.

The clinical uses of 'Marsilid' include:

DEPRESSIVE STATES

The typical reaction to iproniazid consisted of a feeling of well-being, accompanied by improved appetite, increased energy and diminution of sleep requirements.

J. nerv. ment. Dis., 1956, 124, 322.

ANGINA PECTORIS

In man, the administration of iproniazid resolves the syndrome of angina, relieving pain and increasing the capacity for effort.

Arch. Inst. Cardiol. (Mexico), 1957, 27, 563.

RHEUMATOID ARTHRITIS

The favourable effects of the hydrazides, especially iproniazid, on subjective manifestations in patients with rheumatoid arthritis were the most interesting and perhaps the most significant findings of this study.

Cleveland Clin. Quart., 1957, 24, 90.

Marsilid Tablets 50 mg. in packings of 100.

ROCHE PRODUCTS LIMITED, 15 MANCHESTER SQUARE, LONDON, W.1

TRADE REPORT

The prices given are those obtained by importers or manufacturers for bulk quantities or original packages. Various charges have to be added whereby values are in many instances augmented before wholesale dealers receive the goods into stock. Crude drugs and essential oils vary greatly in quality and higher prices are charged for selected qualities.

LONDON, FEBRUARY 26: The list of CRUDE DRUGS now unobtainable in the spot market continues to grow. Prices showed little movement on the week's trading though they were not actually tested in many commodities.

United States *PODOPHYLLUM (peltatum)* has been cleared on the spot and shipment has advanced by 50s. per cwt. New crop BUCHU for shipment was offered at 6s. 6d. per lb., c.i.f., against 6s. 9d. previously. Among PHARMACEUTICAL GUMS, ACACIA was down by 2s. 6d. per cwt., and TRAGACANTH by 50s. to 100s., according to grade. STROPHANTHUS *gratus* was unobtainable at origin; the spot market has been bare of supplies for several weeks. Though prices have not changed a firmer tone is expected in Australian light-amber HONEY as importers have been experiencing difficulty in arranging replacement orders. The Jamaican variety meanwhile was a shade easier. LIQUORICE natural root has been cleared on the spot and only Persian, to come forward, was being quoted. In AROMATIC SEEDS, Dutch CARAWAY was quoted as low as 90s. per cwt., duty paid, while FENNEL for shipment dropped to 140s., c.i.f., from the last quoted figure of 150s. All grades SHELLAC were reduced by 5s. per cwt. Higher prices were being asked for IPECACUANHA but there were no reports of business being done at the higher levels.

MERCURIALS were unchanged although the price of MERCURY continues to creep upwards.

Pharmaceutical Chemicals

ACETIC ACID. — B.P. glacial in 10-ton lots is £104 per ton naked and technical £91. Carboys are £8 and demijohns, £10 per ton extra. Single carboys cost 1s. 8d. per lb. (3s. 8d. per kilo).

ACETANILIDE.—1-cwt. lots are 2s. 10d. per lb. for crystals and 5-cwt., 2s. 9d. Powder is 1d. per lb. more.

ADRENALINE. — Rates for synthetic B.P. are from 1s. 1d. (500-gm. lots) to 1s. 6d. (10-gm.) per gm. and ACID TARTRATE, B.P., from 9d. to 1s.

ALOIN. — Spot offers (14-lb. lots) are 2s. 9d. per lb.

ALUMINUM HYDROXIDE.—One-cwt. lots of B.P.C. 1943 are 3s. 3d. per lb.

p-AMINOSALICYLIC ACID. — The SODIUM salt is 22s. 6d. per kilo for 1,000-kilo lots with smaller quantities at 23s. 3d. The CALCIUM SALT is 38s. 7½d. and 39s. 6½d. per kilo for similar quantities.

AMMONIUM BICARBONATE. — The B.P. powder is £50 5s. per ton; CARBONATE is £81 10s. for lump and £85 10s. for powder, all delivered terms.

AMPHETAMINE.—One to 10-kilo lots are BASE, from 140s. to 160s. as to quantity; SULPHATE is 110s. to 130s. and d-AMPHETAMINE SULPHATE, 405s. to 420s. for similar quantities.

ATROPINE.—Rates for 16-oz. (500-gm.):

	per oz.	per kilo
	s. d.	s. d.
ALKALOID	34 0	1198 0
HYDROCHLORIDE ..	31 0	1093 0
METHONITRATE .. .	34 0	1198 0
METHYLBROMIOE ..	33 6	1181 0
SULPHATE	29 0	1022 0

BIARIUM SULPHATE. — 250-kilo lots of B.P. (x-ray) are now 3s. 3½d. per kilo.

CAFFEINE. — Minimum rates for 5 cwt. or 250-kilos and over are as follows (kilo price in parentheses):—MONOHYDRATE, 17s. 6d. per lb. (38s. 9d.); ANHYDROUS, 18s. (39s. 9d.); CITRATE, 11s. 6d. (25s. 3d.); and SODIUM BENZOATE, 13s. 3d. (29s. 3d.); SODIUM IODIDE, 22s. 6d. (49s. 6d.); and SODIUM SALICYLATE, 14s. 9d. (32s. 3d.).

CALCIUM GLUCONATE. — Quantities of 3-cwt. and upwards are quoted at 3s. 9d. per lb.; 1-cwt. to 2-cwt., 3s. 10d.

CHLOROXYLENOL.—B.P. quality is 5s. 3d. per lb. for 1-cwt. lots and 5s. 1d. for 10-cwt.

CREAM OF TARTAR.—Rates for the home trade are now as follows:—1-ton lots, 231s. per cwt.; 10-cwt., 232s.; 5-9-cwt., 233s.; 2-4-cwt., 234s.; 1-cwt., 235s.

CREOSOTE.—B.P. quality, ex beechwood, is from 6s. 9d. to 7s. 6d. per lb.

CRESOL.—Price of B.P. quality from distillers is 7s. 9d. per gall. in 5-gall. lots.

DEXTROSE. — Rates are as follows:—MONOHYDRATE, B.P., 1-lb., 1s. 1½d.; 7-lb., 11s. 10d.; 28-lb., 43s.; free packages, less 12½ per cent. to wholesalers. In bulk, 1-ton lots, £90 ex works. ANHYDROUS, B.P., 7-lb., 14s.; 14-lb., 26s. 3d.; 28-lb., 49s. (terms as for monohydrate). 1-ton lots, £107 10s. ex warehouse.

HYPOPHOSPHITES.—Prices per lb. are:—

	7 lb.	28 lb.	1 cwt.
	s. d.	s. d.	s. d.
CALCIUM, B.P.C. ..	6 9	6 4	5 11
IRON, B.P.C. .. .	13 9	13 3	12 9
MAGNESIUM	11 6	11 1	10 8
MANGANESE, B.P.C.	13 11	13 5	12 11
POTASSIUM, B.P.C.	9 3	8 10	8 5
SODIUM, B.P.C. ..	7 7	7 2	6 9

IODIDES. — Current quotations (per lb.) include the following:—

	28-lb.	1-cwt.	5-cwt.
	s. d.	s. d.	s. d.
POTASSIUM	9 0	8 6	—
SODIUM	14 1	13 2	12 9

KAOLIN.—In 1-cwt. bags LIGHT is quoted at 60s. per cwt. and 1-ton lots at 57s.

MAGNESIUM TRISILICATE. — In 28-lb. packages the prices (per lb.) are now as follows:—28-lb., 4s. 9½d.; 1-cwt., 3s. 10d.; 5-cwt., 3s. 7d.; 1-ton, 3s. 1d.

MANDELIC ACID.—In 1-cwt. lots the price is 12s. 6d. per lb. with the CALCIUM SALT also 12s. 6d. SODIUM MANDELATE is 13s. and AMMONIUM MANDELATE 50 per cent. solution, 7s. 6d.

MENAPHTHONE.—B.P. is £11 per kilo; ACETOMENAPHTHONE, B.P., £11; WATER-SOLUBLE (menadione sodium bisulphite, U.S.P.), £15 per kilo.

METHYL SALICYLATE.—Five-ton lots are 3s. per lb.; 1-ton, 3s. 0½d.; 10-cwt., 3s. 1d.; 5-cwt., 3s. 2d.; 1-cwt., 3s. 3d.

METOL. — In 1-cwt. lots the price is 24s. 6d. per lb.

OLEIC ACID.—Price of pale distilled is £176 per ton in 3½-cwt. original loaned drums, and B.P., £185 10s.

OXALIC ACID.—Manufacturers' rates for 1-ton lots are from £128 10s. per ton, delivered in free kegs.

PARALDEHYDE. — B.P. in 12-winchester lots is 2s. 7d. per lb.; 10-gall carboy, 2s. 2d., and 5 carboys, 2s. Stabilised in 40-gall. drum lots, 166s. per cwt.; technical, 149s. per cwt.

PHENACETIN. — In 5-cwt. lots makers' price is now 6s. 8d. per lb.; 1-cwt., 6s. 9d.

PHOSPHORIC ACIDS.—B.P. (s.g. 1.750) is quoted at 1s. 4d. per lb. in 10-carboy lots. 1-2 carboys, 1s. 8d. per lb. B.P. 1914 is quoted from 1s. 2d. to 1s. 6d. per lb. HYPOPHOSPHOROUS, B.P.C., in winchesters is from 7s. 5d. to 8s. 6d. per lb., as to quantity.

PILOCARPINE.—In 2-kilo lots prices are: HYDROCHLORIDE, 1,013s. per kilo; NITRATE, 925s.

PIPERAZINE. — ADIPATE is from 32s. 6d. to 36s. 6d. per kilo; CITRATE from 32s. 6d. to 36s. 6d. and TARTRATE, 38s. 6d.

PROCAINE HYDROCHLORIDE.—100-kilo lots are about 45s. per kilo.

QUINIDINE.—Prices are as follows:—

Home Trade	500-oz. or more	100-400 oz.
	per oz.	per oz.
	s. d.	s. d.
QUINIOINE	7 11½	8 1½
ALKALOID	9 4½	9 6½
GLUCONATE	6 7	6 9
HYDROBROMIOE ..	6 9	6 11
HYDROCHLORIOE ..	6 0	6 2
SULPHATE	11 2	11 4
HYOROQUINIOINE	8 6½	8 8½
HYOROCHLORIOE		
GLUCONATE		

For export quinidine alkaloid ranges from £12 12s. 3d. to £12 17s. 4d. per kilo and sulphate from £9 10s. 5d. to £9 15s. 6d.

SILVER SALTS.—PROTEIN, 36s. 3d. to 42s. 9d. per lb.; VITELLIN from 68s. 6d. to 76s. 6d. per lb. as to quantity.

SODIUM BROMATE.—1-cwt. lots are quoted at 9s. 9d. per lb.

SODIUM CARBONATE. — B.P.C. exsiccated is 70s. per cwt.; 5-cwt., 65s. per cwt.

SODIUM CHLORIDE. — Re-crystallised is 25s. per cwt. and B.P., 42s.

SODIUM METABISULPHITE. — Granular in 1-ton lots is from £48 12s. 6d. to £53 17s. 6d. per ton according to packing.

SODIUM PERBORATE. — Prices (per cwt.) are 145s. 9d. in 1-cwt. kegs; 138s. 3d. in 1-cwt. bags for B.P.C. (minimum 10 per cent. available oxygen). Other strengths *pro rata*. The PERBORATE MONOHYDRATE testing 15 per cent. available oxygen is 309s. 9d. per cwt.

SODIUM PERCARBONATE. — Price (per cwt.) is 170s. 9d. (bags, 7s. 6d. lower) for minimum 12½ per cent. available oxygen.

SODIUM PHOSPHATE. — B.P.C. powder is 2s. 3d. per lb.

SODIUM SALICYLATE.—Rates are now:—1-ton lots in bulk, 3s. 7d. per lb.; 5-cwt., 3s. 8d.; 1-cwt., 3s. 10d.

SODIUM SULPHATE. — Makers' prices for B.P. range from £14 to £19 17s. 6d. per ton as to crystal and quantity, ex works.

SODIUM SULPHITE. — 1-ton lots on the spot of ANHYDROUS (48-50 per cent.) are £71 10s. per ton in 1-cwt. drums or £67 5s., in 1-cwt. bags. CRYSTALS, B.P.C., are £32 15s. per ton in 2-cwt. paper-lined bags. Commercial crystals are from £27 to £28 15s. as to packing.

SODIUM THIOSULPHATE. — Makers' price for 1-ton lots of photographic grade in paper-lined bags is £38 per ton.

STILBOESTROL.—1-kilo lots of B.P. and DIPROPIONATE are 730s. per kilo.

STRYCHNINE. — ALKALOID, 6s.; HYDROCHLORIDE, 5s. 10d.; SULPHATE, 5s. per oz., ex works.

SULPHOCARBOLATES.—SODIUM PHENOLSULPHONATE, B.P.C., 1949 (powder) is 5s. 6d. per lb. in 1-cwt. lots and ZINC, B.P.C., 1949, is 5s. 6d.

THEOPHYLLINE.—ALKALOID, ANHYDROUS, is quoted at 20s. per lb. and B.P., 19s.; AMINOPHYLLINE, 18s. 6d. per lb.

Crude Drugs

ACONITE.—Spot supplies of Spanish *napellus* are 3s. per lb., duty paid.

AGAR.—Kobé is 12s. 1½d. per lb., duty paid. New-crop for February–March shipment, 10s., c.i.f.

ALOE.—Cape prime: No shipment offers; spot, 260s. per cwt.; Curaçao, 500s.

ANISE (STAR).—Chinese is 130s. per cwt. c.i.f., and 150s., spot in bond.

ARECA NUTS.—F.a.q. quoted at 67s. 6d. and selected, 140s. per cwt. landed.

BALSAMS.—Quotations (per lb.) are:—CANADA: Spot, 25s. COPAIBA.—Para from 7s. 9d. to 11s., duty paid. PEROU spot value 11s. 6d.; shipment not offering. TOLU (genuine as imported), 25s. 6d.; B.P., 17s.

BELLADONNA.—Herb is 2s. 6d. per lb. on the spot (1s. 6d., c.i.f.). ROOT 1s. 10d. spot; shipment, 1s. 3d., c.i.f.

BENZON.—Sumatra No. 1 block on the spot is £26 to £27 (£23 10s., c.i.f.), and No. 2, £20. Almonds (Sumatra) best grades are unobtainable on the spot; f.a.q., 19s. per lb.

BUCHU.—Spot rounds are 7s. 9d. per lb. new-crop for shipment, 6s. 6d., c.i.f.

CALAMUS.—Dutch root is quoted at 1s. 4d. per lb., c.i.f.

CAMPHOR.—B.P. POWDER is from 5s. 3d. per lb., duty paid. TABLETS, ¼-oz. are 6s. 6d., in bond.

CARDAMOM.—Aleppy greens are 16s. per lb. on the spot; shipment, 14s., c.i.f. No. 1 seed 24s. 6d., spot; shipment, 21s., c.i.f.; split seed, 17s.

CASCARA SAGRADA.—Spot 1956 processed peel is 320s. per cwt., duty paid, and 1957 peel, from 285s., with shipment at 252s. 6d., c.i.f.

CASSIA.—Selected whole bark in limited supply on the spot at 230s. per cwt. and broken at 215s., in bond. *C. fistula*, new crop 90s. per cwt.

CERRY BARK.—Thin natural is from 1s. 9d. per lb., duty paid, and rossed 2s., on the spot.

CINNAMON.—Ceylon for shipment (c.i.f.) per lb., OOOO, 7s. 6d.; OOO, 7s. 3d.; OO, 7s.; seconds, 6s. 2d.; featherings, 2s. 2d.; quillings, 4s. 9d. (spot, 5s. 3d.); chips, 10½d. (spot, 1s.).

CLOVES.—Zanzibar on the spot are quoted at 3s. 4d. per lb. Shipment 2s. 11d., c.i.f.

COCHINEAL.—Silver-grey Peruvian 9s. per lb. Canary Isles black-brilliant 25s. 6d.

COCILLANA.—Bark is 1s. 11½d. per lb. on the spot.

GENTIAN.—French is 180s. per cwt. on the spot.

GUM ACACIA.—Kordofan cleaned sorts are 132s. 6d. per cwt. on the spot; February–March shipment, 119s., c.i.f.

HONEY.—Australian light-amber is 110s. to 115s. and medium amber 105s. to 110s. Argentine 125s. to 130s.; Jamaican, 135s. to 140s., all per cwt., on the spot.

HYDRASTIS.—Spot 31s. per lb.; forward, 30s. per lb., c.i.f.

HYOSCYAMUS.—Dutch leaves (*niger*), are 1s. 6½d. per lb., c.i.f., prompt shipment.

IPECACUANHA.—March–April shipment (c.i.f., per lb.): Matto Grosso, 64s.; Colombian, 70s.; Costa Rican, 84s.

JALAP ROOT.—Mexican, testing 15 per cent., is 5s. per lb. on the spot.

KARAYA.—No. 1 gum on the spot is quoted at 240s. per cwt. and No. 2 at 155s.

LIQUORICE.—Natural root is cleared on the spot; Persian to arrive is 45s. per cwt. Block juice: Anatolian, 200s. per cwt., spot. Italian stick from 310s. to 476s. per cwt. Spray-dried extract, 2s. 10½d. per lb.

LOBELIA HERB.—Spot offers are from 4s. 6d. to 5s. 3d. per lb. Dutch for shipment, 4s. 3d., c.i.f.

MACE.—Whole on the spot is from 23s. 6d. per lb.

MERCURY.—Price per flask (76-lb.) is £76 on the spot.

ORANGE PEEL.—West Indian bitter quarters are 1s. per lb.; Spanish, 1s. 9d.; thin-cut Tripoli, 2s. 3d.

ORRIS ROOT.—Florentine is 320s. per cwt.

PEPPER.—White Sarawak is dearer at 2s. 2d. per lb. on the spot; March shipment now 2s. 1d., c.i.f. Black Sarawak, 1s. 5½d., on spot and shipment at 1s. 4½d., c.i.f. Black Malabar on spot is 185s. per cwt. and shipment, 170s.

PEPPERMINT LEAVES.—Dutch new-crop for shipment, 2s. 9d. per lb., c.i.f.

PIMENTO.—Spot is 525s. per cwt.; shipment, 540s., f.o.b.

PODOPHYLLUM.—*Emodi* spot value around 200s. per cwt. *Peltatum*, cleared on the spot; shipment is short at 450s., c.i.f.

PYRETHRUM.—Extract, minimum 25 per cent. w/w pyrethrins, is 72s. per lb.

QUASSIA.—Chips afloat are offered at 55s. per cwt., landed terms.

SEEDS.—(Per cwt.) ANISE.—Cyprian offering at 167s. 6d., spot. CARAWAY.—Dutch now quoted 90s. spot, duty paid.

CELERY.—Indian unchanged on spot at 185s.; shipment, old-crop, 130s., c.i.f. and new (June–July) 115s., c.i.f. CORIANDER.—Spot: Moroccan, 70s.; Rumanian, 65s.; Polish, 52s. 6d., all duty paid. Shipment, Moroccan, 45s., c.i.f. CUMIN.—Firm. Cyprian, 205s. on spot; Iranian, 175s., in bond. Shipment, Cyprian, 180s., c.i.f.

DILL.—Indian quoted at 65s. spot with shipment dearer at 55s., c.i.f. FENNEL.—Indian on spot is 195s. nominal. Shipment lower at 140s., c.i.f. Chinese on spot is 165s., duty paid. FENUGREEK.—Moroccan 55s., duty paid. MUSTARD.—English in short supply, 70s. to 80s. according to quality.

SENEGA.—Spot is 17s. 3d. per lb.

SENNA.—*Tinnevely* LEAVES, prime No. 1, 1s. 5d. per lb., prime No. 2, 1s. 3d., f.a.q., No. 3, 10d. PODS, manufacturing standard, 1s. 1d.; hand-picked, 1s. 10½d. to 2s. 4d. *Alexandria* pods: Manufacturing, offered at 1s. 7d. with hand-picked from 5s. 6d. to 6s. 6d.

SHELLAC.—F.O.T.N. 195s. per cwt., F.O. No. 1, 220s.; fine orange, 235s. to 305s.

SLIPPERY ELM.—Grinding quality bark is 2s. 7½d. per lb.

SQUILL.—White is unobtainable on the spot.

STRAMONIUM.—Indian LEAVES are 70s. per cwt., and European 80s. on the spot.

STROPHANTHUS.—*Kombé* on the spot is 8s. 6d. per lb. for the 100 per cent.; *gratus* is unobtainable spot and forward.

TONQUIN BEANS.—Para on the spot are offered at 8s. 6d. per lb.

TRAGACANTH.—No. 1 ribbon is £130 to £132 10s. per cwt., No. 2, £120 to £125.

TURMERIC.—Madras finger on the spot is 52s. 6d. per cwt. New-crop (April–May) quoted at 48s. 6d., c.i.f.

VALERIAN ROOT.—Spot: Indian (with rootlets) is 130s. and Belgian, 175s. to 195s. per cwt. Dutch (max. 2½ per cent. sand) for prompt shipment, 168s., c.i.f.

VANILLIN.—Rates (per lb.) are now:—5-cwt. lots, 25s. 3d.; 1-cwt., 25s. 6d.; 56-lb., 25s. 9d.; smaller quantities, 26s.

WAXES.—(Per cwt.) BEES'—Dar-es-Salaam, spot, 500s., shipment, 472s. 6d., c.i.f.; Sudanese, 450s., spot, in bond and 440s., c.i.f. Abyssinian, spot, 470s. in bond; shipment, 445s., c.i.f. Benguela spot, 530s., duty paid; shipment, 495s. c.i.f. CANDELLILLA.—Spot, 460s. CARNAUBA.—Fatty grey, spot, 570s.; for shipment, 557s. 6d., c.i.f. Prime yellow, spot, 1,030s.; shipment, 955s., c.i.f.

Essential and Expressed Oils

ALMOND.—British oil is 8s. 3d. per lb. Moroccan, 7s. 6d., in bond.

AMBER.—Rectified on the spot is 1s. 6d. per lb.

ANISE.—Chinese, 10s. 9d. per lb., spot; shipment, 10s. 6d., c.i.f.

BAY.—West Indian is 12s. 6d. per lb. on the spot.

BERGAMOT.—Spot supplies are from 86s. 6d. per lb. for 38 per cent. oil. Only 39 per cent. oil available at origin.

BIRCH TAR.—Rectified is about 14s. per lb. in 1-cwt. lots.

BOIS DE ROSE.—Brazilian is 24s. per lb. on the spot and 21s. 9d., c.i.f.

CADE.—Spanish is 2s. 6d. per lb. for drum lots.

CAJUPUT.—Spot supplies are from 10s. 6d. per lb.

CALAMUS.—Spot quotations are 62s. 6d. per lb.

CAMPHOR, WHITE.—Chinese is 1s. 11d. per lb., in bond.

CANANGA.—Spot is 50s. per lb.

CARAWAY.—English-distilled is offered at 55s. and imported from 26s. to 27s. 6d. per lb.

CARDAMOM.—Price per lb. is from 350s. for English-distilled and from 267s. 6d. to 297s. 6d. for imported.

CEDARWOOD.—1-cwt. lots of American are 5s. 6d. per lb. and Kenya, 4s.

CINNAMON.—From quillings, best English-distilled is 50s. per oz.; other B.P. oils from 165s. per lb. Ceylon leaf, spot, 11s. 6d., per lb. nominal and shipment, 11s. 3d., c.i.f. and rectified, 15s. per lb., spot.

CORIANDER.—B.P. oil is quoted from 70s. per lb.

DILL.—B.P. imported is 36s. per lb.

EUCALYPTUS.—70 to 75 per cent. eucalyptol on the spot is 4s. 9d. per lb. 8) to 85 per cent., 5s. 6d.

GINGER.—English-distilled oil is 160s. per lb. Imported: Jamaican, 135s.; Chinese, 100s., duty paid.

GRAPEFRUIT.—Jamaican or Floridan is 15s. per lb., spot.

LIME.—West Indian distilled is in the region of 60s. per lb. on the spot.

ORANGE.—Spot quotations of sweet oil include Floridan at 6s. 6d. per lb., Californian, 9s. 6d.; West Indian, 9s.; South African, 9s.; West African, 14s. 6d.; Israeli, 12s. For shipment, proprietary brand Californian cold-pressed U.S.P., no offers; distilled equals 5s., c.i.f. Terpenless is 200s. per lb., spot.

PALMAROSA.—East Indian, 30s., spot, and 25s., c.i.f.

PEPPERMINT.—*Arvensis*: Chinese is 25s. 9d. per lb. on the spot and 25s. 6d. nominal, c.i.f. Brazilian, 13s. 6d., spot and 12s. 4½d., c.i.f. Formosan, 18s. 3d., spot; new-crop for June–July shipment, 17s., c.i.f. Italian "Mitcham"-type oil on spot is from 45s. to 50s.; American, 27s. 6d. to 55s., as to origin.

PETITGRAIN.—Paraguay is offered at 20s. 6d. per lb. on the spot; 20s., c.i.f.

SASSAFRAS.—Brazilian is from 3s. 9d. per lb., duty paid.

UNITED STATES REPORT

NEW YORK, FEBRUARY 25: Higher per lb. among CRUDE DRUGS were PODOPHYLLUM (*Peltatum*) at 55 cents. up three cents, and Mexican VANILLA BEANS at \$9.50, up 25 cents. Floridan ORANGE OIL gained 10 cents to \$1.10 a lb. Lower per lb. were East Indian NUTMEG OIL at \$13.00, down 50 cents. Dalmatian SAGE at \$3.75, down 10 cents and GINGER, at \$13.75, down \$1.

TRADE MARKS

APPLICATIONS ADVERTISED BEFORE REGISTRATION

From the "Trade Marks Journal," February 12

For polishing preparations (3)

AQUAPOL, 768,706, by Grauer and Weil, Ltd., London, E.C.1.

For renovating preparations for cloths or clothes (3)

DUROFIN, 769,149, by Powles Hunt & Sons, Ltd., London, S.E.1.

For soaps, perfumes, non-medicated toilet preparations, cosmetic, hair, and depilatory preparations; and lacquer and lacquer remover, being non-medicated toilet preparations for the nail (3)

MINER'S, 769,254, by Henry C. Miner, Ltd., Surbiton, Surrey.

For hair-growing, hair-preserving, and hair-restoring preparations (3)

PHYOTRICHINE, 769,315, by Laboratoires des Produits Cosmétiques Jean-Marie, Société Congolaise à Responsabilité Limitée, Stanleyville, Belgian Congo.

For perfumes, cosmetics and non-medicated toilet preparations (3)

OUTDOOR GIRL DEEP CLEAN, 769,658, by Crystal Products Co., Ltd., Surbiton, Surrey.

For food for infants (5)

NIPIOL, 766,788, by S.p.A. Gio & F. Li Buitoni Sansepolcro, Perugia, Italy.

For pharmaceutical products in ointment, liquid or powder form, for the treatment of fungus infections of the skin (5)

MYCOZOL, 767,711, by Parke, Davis & Co., Detroit, Michigan, U.S.A., and Hounslow, Middlesex.

For all goods (5)

DORALLO, 768,168, by Ashe Laboratories, Ltd., Leatherhead, Surrey. TAKABELA, 768,253, MIDICEL, 770,934, by Parke, Davis & Co., Detroit, Michigan, U.S.A., and Hounslow, Middlesex. ASMIIONEX, BARBIONEX, 770,635-36, by Clinical Products, Ltd., Richmond, Surrey. UNFACID, 771,500, by British Schering, Ltd., London, W.8.

For pharmaceutical preparations (5)

LEVPHARMA, 769,688, by Farbenfabriken Bayer, A.G., Leverkusen, Germany.

For bandages, material prepared for bandaging, medical and surgical plasters and surgical dressings (5)

VALDERMA-PLAST, 771,073, by Dae Health Laboratories, Ltd., London, W.1.

For pharmaceutical preparations and substances for use in the treatment of nasal complaints (5)

RHINOCORT, 771,282, by Ward, Cassenne, Ltd., London, W.1.

For photographic apparatus, and parts and fittings (9)

PENTONA, 754,506, by Veb Zeiss Ikon Dresden, Dresden, Germany.

For animal bristles; and brushes and material for cleaning purposes (21)

DORIX, 771,350, by Farbenfabriken Bayer A.G., Leverkusen, Germany.

For agricultural, horticultural and forestry products and grains; foodstuffs for animals; and malt (31)

CAPIDE, 770,413, by Glaxo Laboratories, Ltd., Greenford, Middlesex.

For food for animals and birds (31)

TWILL, 770,418, by Petfoods, Ltd., Melton Mowbray, Leics.

From the "Trade Marks Journal," February 19

For chemical products for use in colour photography; sensitised films for use in colour photography and colour cinematography; and papers and plates, all being sensitised articles for use in colour photography (1)

ORWOCOLOR, 768,044, by Veb Filmfabrik Agfa Wolfen, Wolfen, Bitterfeld, Germany.

For polishing preparations in liquid form (3)

JOHNSON'S SHUR-TRED, 760,689, by S. C. Johnson & Son, Inc., Racine, Wisconsin, U.S.A.

For hair lotions and shampoos (3)

BOO, 766,540, by Thames Industries, Ltd., London, E.C.4.

WORLD TRADE

Thermometer Imports Into U.S.—The United States Tariff Commission has advised President Eisenhower to raise the tariffs on imported finished and unfinished clinical thermometers to 85 per cent. *ad valorem* from 42½ per cent. The Commission made the recommendation in a report sent to the President in its investigation of thermometer imports. The President has sixty days to decide whether to accept or reject the tariff body's finding or to ask for further study of the imports. — The Commission will open public hearings on March 11 on its second proposed schedule of import classifications—chemicals and related products.

Hungarian Drug-industry Expansion.—Hungary is spending £9 millions during the next three years on modernising five pharmaceutical works. The Chirnoin drug works is being completely reconstructed under a seven-year plan, and expansion of the Kőbánya drug works, Budapest, and the United pharmaceutical factory are due to be completed by 1960. Production of vitamin B₁₂ is being doubled, and about 50 per cent. more penicillin products are to be manufactured during the present year. Pharmaceutical products of Hungarian manufacture are exported to China, India, Egypt and Iran.

U.S. Chemical Firms Overseas.—Major American chemical companies are counting on foreign markets operations to help offset the effect of narrower domestic profit margins on 1958

earnings, the *Journal of Commerce* reports. It points out that most chemical and drug companies with foreign activities did relatively better abroad in 1957 than they did at home. Direct exports of chemicals have been gaining steadily in recent years despite larger production abroad and increasing competition from other nations, notably West Germany. But even more important has been the growth in earnings by foreign subsidiaries as United States chemical firms have steadily expanded their investment in production and distribution in other countries, the article notes. Chemical company managements believe they have acquired enough knowledge of foreign market activities and are strongly enough entrenched abroad to hold their place in the face of any normal competition, the report says. Monsanto Chemical Company's consolidated net income was higher than in 1956 because of increased sales by subsidiaries and affiliates abroad and higher exports though U.S. operations were lower. Among the other companies that are finding it profitable to step up their efforts in foreign markets, the article mentions Olin Mathieson Chemical Corp., Glidden Co., Dow Chemical Co. and Archer-Daniels-Midland.—The U.S. Vitamin Corporation has announced that it is broadening its policy of licensing distributors to manufacture its pharmaceutical products in Latin America, European, near Eastern and Asiatic markets.

COMING EVENTS

Monday, March 3

Daily Mail Ideal Home Exhibition, Olympia, London, W.14 (until March 29).

STOCKPORT BRANCH, PHARMACEUTICAL SOCIETY, Warren Bulkeley hotel, Warren Street, at 7.45 p.m. Film show by May & Baker, Ltd.

Tuesday, March 4

BIRMINGHAM PHARMACEUTICAL ASSOCIATION, Imperial hotel, at 8 p.m. Professor G. E. Trease (head, pharmacy department, Nottingham University) on "Pharmacy in the Middle Ages."

BRIGHTON AND HOVE BRANCH, PHARMACEUTICAL SOCIETY, Langfords hotel, Hove, at 8 p.m. Discussion of Branch Representatives' motions.

CAMBRIDGE AND HUNTINGDON BRANCH, PHARMACEUTICAL SOCIETY, The Rose, Rose Crescent, Cambridge, at 8 p.m. Mr. N. Dewey on "The Chemist and His Market."

NORWICH BRANCH, PHARMACEUTICAL SOCIETY, Assembly House, Theatre Street, at 7.30 p.m. Dr. Morgan Hall (director, pathology department, Norfolk and Norwich Hospital) on "Toxicology with Special Reference to Post-mortem Examinations."

WATFORD AND ST. ALBANS BRANCH, PHARMACEUTICAL SOCIETY, King's Head, Watford, at 8 p.m. Annual meeting.

Wednesday, March 5

BURNLEY BRANCH, PHARMACEUTICAL SOCIETY, Cross Keys hotel, at 7.45 p.m. Dr. W. A. F. McDonald on "Adam to the Atom."

GLASGOW PHARMACISTS' ASSOCIATION, Rhul restaurant, 123 Sauchiehall Street, at 7.30 p.m. Mr. A. Jelly (sales manager, Scottish Television) on "Scottish Television: How it Affects the Retail Pharmacist."

HASTINGS BRANCH, PHARMACEUTICAL SOCIETY, Royal Victoria hotel, St. Leonards-on-Sea, at 7.30 p.m. Annual dinner and dance.

MANSFIELD BRANCH, PHARMACEUTICAL SOCIETY, Masonic Hall, Mansfield, at 7.30 p.m. Annual dinner and dance. Ticket (price 22s. 6d., Dance

only, 6s.) from Mr. L. Webber, c/o Mansfield, Sutton and District Co-operative Society, Ltd., Pharmacy Dept., Mansfield.

READING BRANCH, PHARMACEUTICAL SOCIETY, Great Western hotel, at 7.15 p.m. Annual dinner and dance.

WESTERN [LONDON] PHARMACISTS' ASSOCIATION, 21 Portman Square, London, W.1, at 7.30 p.m. Film show.

Thursday, March 6

BOURNEMOUTH BRANCH, PHARMACEUTICAL SOCIETY, Grand hotel, at 7.45 p.m. Members' colour photographs.

WEST HAM ASSOCIATION OF PHARMACISTS, Trocadero restaurant, Piccadilly Circus, London, W.1, at 6 p.m. Annual dinner and dance.

Friday, March 7

MERSEYSIDE BRANCH, NATIONAL ASSOCIATION OF WOMEN PHARMACISTS, Y.W.C.A. lounge, Slater Street, Liverpool, at 7.45 p.m. Miss M. Tinne (occupational therapist, Royal Southern Hospital, Liverpool) on "Occupational Therapy."

Saturday, March 8

NATIONAL PHARMACEUTICAL UNION, Area conference for Cornwall, Devon, Dorset, Gloucestershire, Somerset, and Wiltshire, Grand Atlantic hotel, Weston-super-Mare, at 7.30 p.m. Dinner.

Sunday, March 9

NATIONAL PHARMACEUTICAL UNION area conference. At 11 a.m., church service; at 12.45 p.m., luncheon; at 2.15 p.m., ladies' excursion; at 2.30 p.m., conference.

Advance Information

PORTSMOUTH BRANCH, PHARMACEUTICAL SOCIETY, Paley's restaurant, High Street, Gosport, at 7.30 p.m. on March 13. Discussion on motions for Branch Representatives' meeting. (Meeting formerly scheduled for March 6.)

COMMERCIAL TELEVISION

PROGRAMME details are given to enable chemists to put in linking-up displays if they wish. Notice given is as far in advance of the programme date as can be guaranteed by the broadcasting companies. Where known, the number of appearances of the product during the week is shown in parentheses.

March 9-15

LONDON

Alka-Seltzer (2). Amami wave set (4). Andrews liver salt (3). Anestan. Aspro (5). Atkinsons Skin Deep (2). Beecham's pills (4) powders (4). Bristow's shampoo (2). California syrup of figs. Colgate dental cream and brushless shaving cream. Disprin.

Euthymol tooth-paste. Fynnon salt. Gibbs' S.R. tooth-paste (7). Gillette razors and blades (2). Handy-Andies (2). Iron Chlorides. Knight's Castile soap (2).

Loxene (2). Macleans indigestion remedies (3) tooth-paste (4). Macprin (2). Max Factor preparations. Milk of Magnesia preparations (2). Moorland indigestion tablets (2). Opas tablets. Optone eye drops (2). Optrex (2). Palmolive soap. Penetrol inhalant. Pepsodent tooth-paste (3). Phensic (5). Pin-Up home permanent (4). Pond's Angel Touch, face powder and lip-stick. Potter's catarrh pastilles. Punch and Judy tooth-paste (2). Palmolive. Rapid-Shave. Roberts Windsor soaps (2). Robinson's lemon barley water (3).

Sanatogen. Savlon barrier cream (3). Sebix shampoo (3). Silvikrin shampoo. Skin-Glo. Sky tooth-paste (4). Spratt's meat (7). Topcat (2) mixed ovals. Steradent. Supavite (3). Suregrip rubber gloves (3). Twink home permanent (4). Vaseline hair cream (3) hair tonic (2) liquid shampoo (2). Veno's cough mixture (4). Vinolia baby products (4). Voscene (3). Williams Lectric shave. 1001 cleaner (2).

MIDLAND

Alka-Seltzer (2). Amami wave set (4). Anadin. Andrews liver salt (3). Anestan. Aspro (3). Atkinsons Skin Deep (3). Beecham's pills (4) powders (4). Bisodol. Bristow's shampoo. Brylcreem. California syrup of figs. Christy's lanolin face pack (2). Dentosine. Dinneford's magnesia (4). Disprin.

Euthymol tooth-powder. Gibbs' S.R. tooth-paste (12). Gillette razors and blades (2). Handy-

Andies (3). Hudnut egg shampoo (3). Ibcot. Knight's Castile soap (2).

Loxene (2). Macleans indigestion remedies (3) tooth-paste (3). Max Factor preparations (2). Milk of Magnesia preparations (3). Nemakol (2). Opas tablets. Palmolive soap. Penetrol inhalant. Pepsodent tooth-paste (6). Phensic (7). Phosferine (3). Phyllosan (3). Pin-Up home permanent (3). Potter's catarrh pastilles. Punch and Judy tooth-paste. Rapid-Shave. Robinson's lemon barley water (3).

Safada cream shampoo (3). Sebix shampoo (2). Silvikrin shampoo (2). Spratt's Topcat (2). Supavite (2). Twink home permanent (2). Valderma. Vaseline hair cream (3) hair tonic (3) liquid shampoo (3). Veno's cough mixture (4). Vinolia baby products (4). Voscene (3). Williams Lectric shave. Wonder Puff (6). Yeast-Vite (2). 1001 cleaner (2).

NORTH

Alka-Seltzer. Amami wave set (4). Anadin. Andrews liver salt (3). Anestan. Aspro (7). Atkinsons Skin Deep (3). Beecham's pills (5) powders (5). Bristow's shampoo (3). Brylcreem. Cephos. Christy's lanolin face pack (3). Dentosine.

Eucryl tooth-powder. Fynnon salt. Gibbs' S.R. tooth-paste (10). Gillette razors and blades (2). Gon. Handy-Andies (3). Hiltone (4). Horlicks (3). Hudnut egg shampoo (3). Ibcot. Kleenex tissues (5). Knight's Castile soap (2).

Lloyd's adrenaline cream (2). Loxene (2). Macleans indigestion remedies (2) tooth-paste (3). Max Factor preparations (2). Milk of Magnesia preparations (3). Moorland indigestion tablets. Opas tablets. Palmolive soap. Penetrol inhalant. Pepsodent tooth-paste (6). Phensic (6). Phosferine (3). Phyllosan (3). Pin-Up home permanent (2). Potter's catarrh pastilles. Rapid-Shave. Robinson's lemon barley water (3).

Safada cream shampoo. Sebix shampoo (2). Setlers (3). Silvikrin shampoo (3). Spratt's Topcat (2). Supavite (2). Thermogene (3). Thru. Twink home permanent (4). Vaseline hair cream (3) hair tonic (3) liquid shampoo (3). Vinolia baby products (3). Water Lilies shampoo (5). Yeast-Vite (2). 1001 cleaner (2).

SCOTLAND

Alka-Seltzer (2). Amami wave set (3). Anadin (4). Andrews liver salt (3). Anestan. Askit (10).

Aspro (6). Atkinsons Skin Deep (2). Beecham's pills (4) powders (4). Brylcreem. California syrup of figs. Christy's lanolin face pack.

Euthymol tooth-paste. Fynnon salt. Gillette razors and blades (2). Gon. Handy-Andies (3). Hudnut egg shampoo (3). Knight's Castile soap (2).

Lip-Glo. Loxene (3). Macleans indigestion remedies (3) tooth-paste (3). Max Factor preparations (2). Milk of Magnesia preparations (3). Milpar. Moorland indigestion tablets (2). Opas tablets. Palmolive soap. Penetrol inhalant. Pepsodent tooth-paste (6). Phensic (4). Pin-Up home permanent (4). Robinson's lemon barley water (2).

Sanatogen. Sebix shampoo (2). Silvikrin shampoo. Spratt's Topcat. Supavite (3). Twink home permanent (3). Vaseline hair cream (3) liquid shampoo (3). Veno's cough mixture (3). Vinolia baby products (4). Voscene (3). Water Lilies shampoo. Yeast-Vite (2). 1001 cleaner (7).

WALES

Airwick (2). Alka-Seltzer (3). Anadin. Anestan. Aspro (7). Atkinsons Skin Deep (2). Beecham's pills (3) powders (4). California syrup of figs. Colgate dental cream.

Eno's Fruit Salt (2). Euthymol tooth-paste. Fynnon salt. Germolene (4). Gillette razors and blades (2). Gon. Hudnut egg shampoo (3). Ibcot. Knight's Castile soap (2).

Loxene (2). Macleans indigestion remedies (4) tooth-paste (3). Macprin (3). Mac throat sweets (2). Max Factor preparations (2). Milk of Magnesia preparations (3). Milton (3). Moorland indigestion tablets. Opas tablets. Penetrol inhalant. Pepsodent tooth-paste (3). Phensic (3). Phosferine (3). Phyllosan (3). Pin-Up home permanent (3). Pure Silvikrin. Rapid-Shave. Robinson's lemon barley water (2).

Safada cream shampoo (2). Silvikrin hair cream (3). Snowfire wave set. Spratt's Topcat. Supavite (3). Twink home permanent (3). Vaseline hair cream (2) liquid shampoo (3). Veno's cough mixture (4). Vinolia baby products (4). Water Lilies shampoo (3). Yeast-Vite (2). 1001 cleaner (2).

Other products which are currently being advertised (but for which no station has been notified) include: Barnet combs, Bunnymuff. Pifco vibratory massager.

C. & D. WEEKLY LIST OF PRICES

R = Reduced; I.R.P. = Inclusive Retail Price; * = Tax 30 per cent.; † = Tax 90 per cent.

CIBA LABORATORIES, LTD.

Perandren Linguets and tablets	5 mgm.	25	I.R.P.
	100	7 0 R	
	500	21 6 R	
	1000	102 0 R	
10 mgm.	25	11 6 R	
	100	40 6 R	
	500	197 3 R	
25 mgm.	25	25 3 R	
	100	95 9 R	
	500	472 6 R	
50 mgm.	25	47 0 R	
	100	182 0 R	
	500	905 0 R	

HANIMEX (U.K.), LTD. (to trade from January 17; to public from March 1)
Argus 300 projector viewer 378 0 R
57 6 R

PFIZER, LTD. (from March 1) Each Viadri 0.5 gm. 14 0 21 0 R

PHARMACEUTICAL SPECIALITIES (MAY & BAKER), LTD. (from February 17)
Soneryl capsules 150 mgm. 100 21 9 R

ROCHE PRODUCTS, LTD. (from March 1)
Benerva tablets 3 mgm. 100 2 9 R
500 8 9 R
1,000 15 0 R
10 mgm. 100 4 0 R
500 14 9 R
25 mgm. 100 7 9 R
500 33 6 R
50 mgm. 100 13 3 R
500 61 3 R

100 mgm. 100 23 0 R
500 110 0 R
ULIER (BRADFORD), LTD.
Floret insecticide aerosol Doz. 3 11 R
6 oz. 34 0
12 oz. 63 0 7 3 R

P.A.T.A. LIST

(Alterations notified this week by the Proprietary Articles Trade Association.)

CANNON RUBBER MANUFACTURERS, LTD.
Modern soothers 8 3 1 0 R
junior soothers 7 6 10½ R

ADDITION TO THE LIST
SMITH & NEPHEW, LTD.
"Tip-Tops" nail colour wallet 3 Doz. 2 11
"dispenser" 69 0

DELETIONS FROM THE LIST
CONDY & MITCHELL, LTD. Condy's fluid and crystals.

NEW PRODUCTS AND PACKS

ABBOTT LABORATORIES, LTD. [corrected note]
Filmtab Compcocillin-V with sulphas 12 11 9
100 90 0
500 442 6

BOOTS PURE DRUG CO., LTD.
Calcipen-V tablets Each 14 7½
125 mgm. 20 9 9
100 40 6 60 9
500 197 4 296 0
250 mgm. 12 11 0 16 6
100 80 0 120 0
500 382 4 573 6

CUPAL, LTD.

Secto aerosols:—
mothproof-insect killer 5 6
biting insect repellent* 5 11

FASSELT & JOHNSON, LTD.

Clair de Lune spray set† Doz. 78 9 15 9

ELI LILLY & CO., LTD.

V-Cil-K paediatric tablets 20 7 0
100 29 1½
1,000 276 0

LLOYD-HAMOL, LTD.

Anabolex tablets* Each 25 20 0 36 0
100 70 0 126 0

RIKER LABORATORIES, LTD.

Medihaler Epi 12 8
Iso 12 8
refill 10 4
oral adaptor 2 4
Intralgin* 8 oz. 6 8
32 oz. 19 8

HELENA RUBINSTEIN, LTD.

Mascaramatic† 15 0

SHULTON (GREAT BRITAIN), LTD.

Old Spice shave stick* 6 3
refill 4 6

SMITH & NEPHEW, LTD.

Nivea shampoo* sachet 4 2 7
bottle 13 0 1 11

with winter still here and the hay fever season on its way
A PRIVATE CHEMIST SAYS—



“NAZEX Nasal Spray was displayed in my window as shown below. I backed it by using the attractive counter sale box and every dozen has a showcard. As a result—sales trebled. The profit margin on Nazex Nasal Spray means I make many times the nett profit shown on a wide variety of lines advertised directly to the public. Nazex effectively meets the need for the finest micro-spray to stop nasal congestion in catarrh and hay fever. In my opinion Cupal have studied the packaging appeal of this product and we Chemists shall feel the benefit.”



Order your NEW 2-doz. display unit bonus now !

Bonus Parcel Total Nett Cost **40/-**
Selling Price. No P. Tax **72/-**
PROFIT @ 1/4d. per sale = 45%



Pharmaceutical Laboratories
BLACKBURN ENGLAND



Put Lastonet on show

Lastonet products are well worth a good display. They're steady sellers with a very good profit margin.

And you can step up your sales by using the eye-catching display material available.

Showcards, display packs and display limbs for Lastonet stockings in your window or at point of sale will all help to boost business.

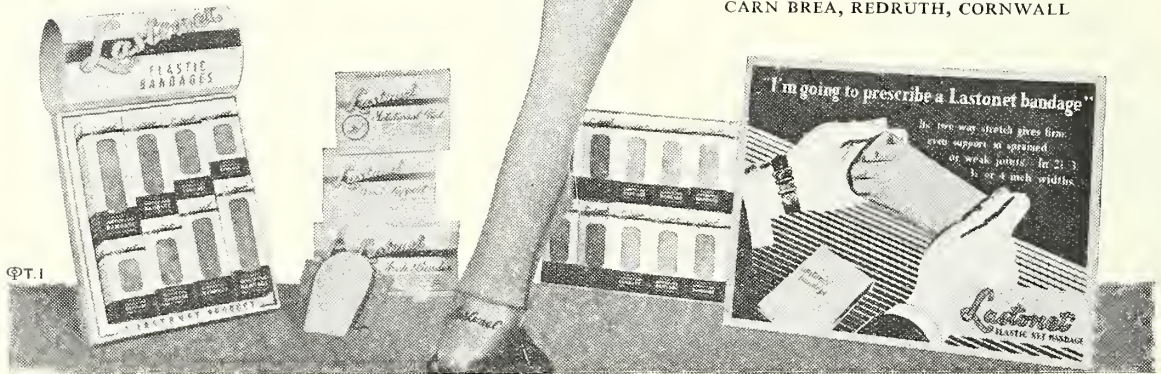
Just write for whatever you can use.

We'll send it right away.

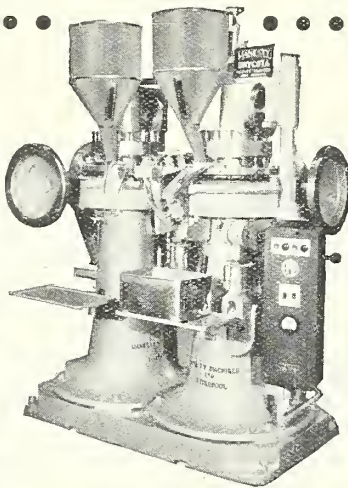
Lastonet

SURGICAL PRODUCTS

LASTONET PRODUCTS LIMITED
CARN BREA, REDRUTH, CORNWALL



PT. 1



Output

Coated Tablets: 10,000/20,000 per hour
Uncoated Tablets: 20,000/40,000 per hour
Max. diameter coated tablets $\frac{11}{16}$ in.
Variable Speed Drive 2-h.p. motor
Self-contained dust extraction unit

We are Exhibiting at the Chemical and Petroleum Engineering Exhibition, Olympia, 18th to 28th June.

MANESTY

'DRYCOTA'

(Patents Granted and Pending)

**COMBINED TABLET MAKING AND
COMPRESSION COATING MACHINE**
for CONTINUOUS PRODUCTION

**POSITIVE FEEDING · EXACT CENTRING · CONTROLLED PRESSURE
AUTOMATIC CORE CHECK**

Since the Manesty 'DryCota' was first introduced it has gone from success to success and wherever it has been shown at exhibitions or private demonstrations it has produced perfectly centred evenly coated tablets.

Due to the special transfer mechanism there are no difficult adjustments to make or maintain and no necessity for cores to be made hard to withstand handling—this ensures perfect bonding between core and coating and better control over disintegration.

THREE IMPORTANT DEVELOPMENTS

THE MANESTY 'DRYCOTA' CAN NOW BE SUPPLIED TO COAT PRE-MADE CONES.

THE MANESTY 'DRYCOTA' CAN NOW COAT CAPSULE OR SHAPED CONES.
THE OUTPUT OF THE MANESTY 'DRYCOTA' HAS NOW BEEN CONSIDERABLY INCREASED.

You must know this Machine

Full details on request

MANESTY MACHINES LIMITED

DEPT. 5, SPEKE, LIVERPOOL 19.

Telephone: Hunts Cross 1972.

Telegrams: Manesty, Liverpool 19

TABLET MACHINES · MIXERS · GRANULATORS · COATING PANS · AUTOMATIC WATER STILLS



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Associated TeleVision Limited

Programme company for the weekend in London
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(CHAncery 4488)

Midlands: *Herbert House, 71 Cornwall Street,*
Birmingham 3 (Central 5191)



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- Crosfields (C.W.G.) Ltd
- Fynnon Ltd
- D. & W. Gibbs Ltd
- E. Griffiths Hughes Ltd
- F. W. Hampshire & Co. Ltd
- Thos. Hedley & Co. Ltd
- John Knight Ltd
- Lever Bros. Ltd
- Macleans Ltd
- Don S. Momand Ltd
- Optrex Ltd
- Pepsodent (Sales) Ltd
- The Chas. H. Phillips
Chemical Co. Ltd
- Reckitt & Colman Ltd
- Revlon International Corp.
- Scott & Bowne Ltd
- Silvikrin Laboratories

**"RELIANCE"
NATURAL SPONGES**

RELIANCE
FINEST
QUALITY
SPONGE

**Natural
Deep Sea Sponges**

To display a natural deep sea sponge is to sell it—because discriminating customers know that it is softer and kinder to the skin, and more lasting and more hygienic than any substitute—as well as holding three times as much water.

Cresswell's offer the best of the sponge crop. Please write for our price lists, and when in the West End of London a visit to make your own selection is welcomed.

**GRESSWELLS
HAVE GIVEN SATISFACTION
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ONE HUNDRED AND FIFTY YEARS**

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3-9, EARLHAM STREET, CAMBRIDGE CIRCUS, LONDON, W.C. 2
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NAPPY PIN**

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• DISPLAY BOX

**GOODMAN'S
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NAPPY PIN
WITH DOUBLE SAFETY CAP**

**DOUBLE LOCKING CAP—
CANNOT OPEN ACCIDENTALLY**

*PULL CAP
TO OPEN*

*PUSH CAP
TO LOCK*

*NEVER OPENS
ACCIDENTALLY
NEVER RUSTS*

Obtainable from your
USUAL SUPPLIER

3 PIN CARDS 1/-
5 PIN CARDS 1/6 } AVAILABLE IN { WHITE PINK BLUE LEMON

**GEORGE GOODMAN LTD.
BIRMINGHAM**

FOR 2 MONTHS • 12½% EXTRA



ON THIS MODEST MINIMUM ORDER:
6-3/9 CARTONS AND 24-1/- TRIAL SIZE SACHETS
(both in convenient display outers)

YOU WILL RECEIVE 24 SACHETS FOR THE PRICE
OF 21.

This means that on this small order your profit is
13/9 as against the normal 11/6.

This offer is on any quantity of ZERO sachets
above the minimum and lasts until 31st March,
1958.

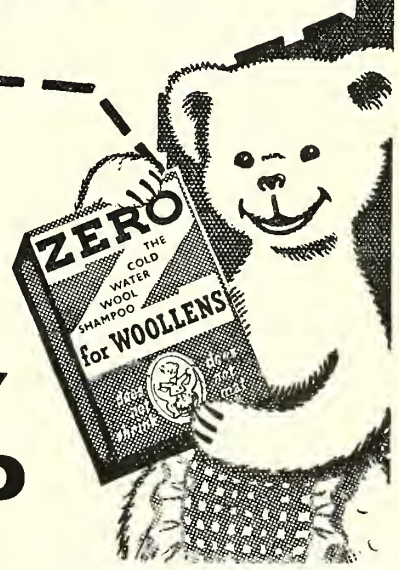
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ZERO THE ONLY WOOL SHAMPOO

PURCHASE YOUR STOCKS FROM YOUR REGULAR P.A.T.A. WHOLESALER

**FOR
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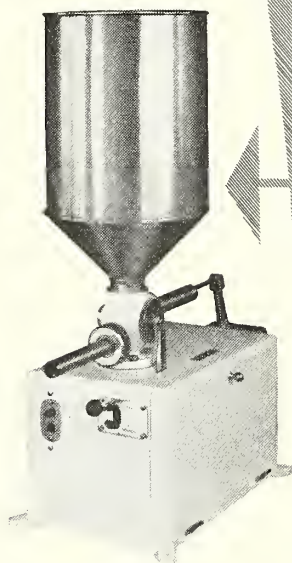
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 ASPARAGINE, NATURAL, ANHYDROUS
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**HERE'S THE ANSWER***to your 'short run' tube-filling problems*

With the introduction of the FLEXIFILLER, you can now enjoy all the benefits of semi-automatic tube filling for a remarkably small outlay. Electrically driven, the FLEXIFILLER calls for no effort on the operator's part; yet its output is twice that of a hand-operated machine. Tubes, jars, tins, bottles and polythene containers are filled with materials of all types from highly viscous substances to mobile liquids at a uniform speed of 20 per minute. Moreover, the FLEXIFILLER maintains consistently high standards of accuracy, and is widely employed not only by large and small manufacturers but in hospitals too. Stainless steel, it is easily stripped down for cleaning and sterilisation.

FLEXIFILLER Semi-Automatic Filling Machine

SEND FOR LITERATURE AND QUOTATION TO :

FLEXILE

FLEXILE METAL CO. LTD., BESSEMER DRIVE, STEVENAGE, HERTS.

Stevenage 1491

cash in on
Britain's
biggest
COLOUR
advertising
campaign
for Britain's
first
COLOUR
shavers!

Sunbeam are first in Britain with shavers in colour! So Sunbeam are telling millions of readers about it through big colour advertisements in all the following mass-circulation magazines — *Reader's Digest, John Bull, Illustrated, Weekend, Everybody's*, backed up by black and white advertisements in the *Daily Express* and *Sunday Express*.

Advertisements in the above will feature this complete range of famous Sunbeam shavers—

Sunbeam

Silver glide SHAVEMASTER
— IN 6 ATTRACTIVE COLOURS

Standard Model XC
AC/DC mains 210/250v.
£10. 15. 2 inc. tax.



Dual Volt Model XCR
AC/DC mains 100/140v.
190/250v. £11. 18. 6 inc. tax.

MODEL W SHAVEMASTER NOW BETTER VALUE THAN EVER!



Standard Model WZA Shavemaster,
now only—£8. 8. 0 inc. tax.
Dual Volt Model WRA Shavemaster,
now only—£9. 9. 0 inc. tax.

Lady Sunbeam SHAVEMASTER

with exclusive Micro-Twin Head designed especially for feminine use.
In three colours. £5. 17. 6 inc. tax.



**BE READY TO
MEET THE DEMAND!
ORDER FROM YOUR
WHOLESALE TODAY!**

Sunbeam Electric Ltd., Nerston,
East Kilbride, Glasgow.



Sunbeam
Mixmaster



Sunbeam
Mixmaster
Junior



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Frypan-
Cooker



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PHA999

SOUND FOUNDATIONS

Make M&B chemicals the basis of your pharmaceutical manufactures. Our long experience, extending over a century, in the manufacture, handling, and use of fine chemicals supports our claim that our products are entirely suitable in every respect for your purposes.



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ACETARSOL · BARBITURATES · BISMUTH SALTS · BROMIDES · CAFFEINE ALKALOID AND PREPARATIONS · CALOMEL · CARBARSONE · CODEINE PHOSPHATE AND OTHER OPIATES · DEXAMPHETAMINE SULPHATE · METHADONE HYDROCHLORIDE · THEOBROMINE · ALKALOID AND PREPARATIONS



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We shall be pleased to receive enquiries for these and any other M&B brand pharmaceutical chemicals.

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*for fine
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PRESSWORK, TINS, CANISTERS
DECORATED METAL BOXES
CONTAINERS OF ALL KINDS
DRUMS AND KEGS



**MODERN PACKAGES
LIMITED**

PHENIX WORKS UXBRIDGE 8535-6-7-8



CORKS

PRESCRIPTION BOTTLES

require top grade cork stoppers which permit no leakage.

Chemists who know from experience, continually specify Robinson Corks—the first class quality never varies.

Write for full details and prices to:—



ROBINSON BROS

CORK GROWERS LTD.

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London Address: 54-62, Regent Street, London, W.1. Tel: GER 3965/8



for fine chemicals especially:

ASPIRIN B.P. "FRE-FLO"

SALICYLIC ACID B.P.

SODIUM SALICYLATE B.P.

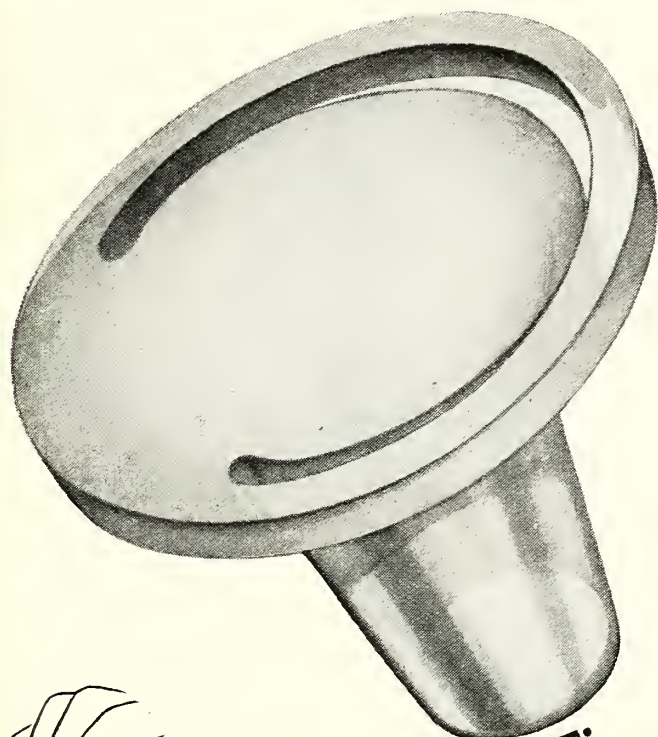
SALOL B.P.C.

VANILLIN 100%

H. W. GRAESSER-THOMAS LIMITED

49 LEADENHALL STREET,
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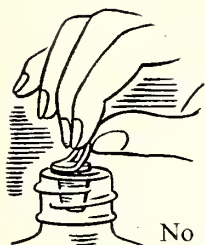


it's new!

it's polythene!

**it has a handle
for easy removal,**

it's a sure stopper



No more leaking bottles, no more complaints that once opened the bottles are not sealable again. In fact 'HERMATIC' plugs, made in twelve sizes, solve your sealing problems and ensure complete customer confidence, resulting in repeat sales. And now these little polythene plugs are being manufactured with a hooped flange or 'handle' which enables the user to remove and replace it with ease!

Samples on application

"HERMATIC"

(PAT. NO. 712141)

**THE INTERNATIONAL BOTTLE CO. LTD.
140 PARK LANE, LONDON, W.1**

Polythene Plugs

Telephone MAYfair 6992 (5 lines) Telegrams AUTREFOIS, AUDLEY, LONDON



JOSEPH WEIL and Son Ltd

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Detensyl

Vegeto-Polyhormonic Hypotensor

*The recognised treatment in conditions
requiring the lowering of arterial tension*

DETENSYL is another of the M.B.L. preparations which has been accepted by doctors in many countries. In various indications associated with blood pressure, regular administration restores normality. A small, periodic dosage is recommended for maintenance.

DETENSYL contains mistletoe, liver, pancreas and lung substances. More than a palliative, it re-educates the endocrine glands, allowing them to resume their regulation of the arterial tension.



INDICATIONS

Conditions frequently associated with blood pressure, such as Menopausal Disturbances, Arteriosclerosis, Sclerosis of the Kidneys, Persistent Cephalalgia, Arthritis and Auditory and Ocular Troubles, respond to DETENSYL therapy and almost inevitably disappear with the lowering of arterial tension.

**MEDICO-BIOLOGICAL
LABORATORIES LTD.**

CARGREEN ROAD, SOUTH NORWOOD, LONDON S.E.25

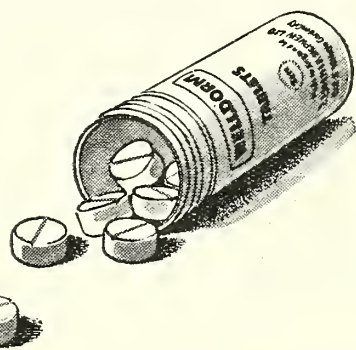


A new molecular complex of

chloral hydrate in tablet form

At last the problems of taste, odour and gastric upset associated with chloral hydrate have been overcome.

WELLDORM (dichloralphenazone) is a palatable *tablet* form of a new molecular complex of chloral hydrate that will induce safe, physiological sleep. Those whose only wish is to "get off" to sleep and wake up without any hangover effects will find WELLDORM preferable to barbiturates.



Welldorm TABLETS

SAFE • PALATABLE • RELIABLE

Availability: 10gr. scored tablets in containers of 25 and 250. Prescribable on Form E.C.10

PRICE:	Trade	Retail
25 container	2/6 + 9d. P.T.	4/6 (inc. P.T.)
250 container	20/- + 6/- P.T.	36/- (inc. P.T.)

Literature and samples from:



SMITH & NEPHEW PHARMACEUTICALS LTD.
WELWYN GARDEN CITY • HERTS.

The Bismuth treatment of

TONSILLITIS

NEW

Acute non-specific infections of the upper respiratory tract

VINCENT'S ANGINA

BISMUTH SUPPOSITORIES GABAIL

in boxes of six

Retail Price 4/11½ (inc. tax)

Trade Price 35/- doz. P. Tax 10/6 doz.

BISMUTH SUPPOSITORIES (GABAIL) are supplied in two strengths:—

(Adult) Each suppository contains:
Bismuth et Sodii Tartras 1 grain (65 mg.)

(Child) Each suppository contains:
Bismuth et Sodii Tartras ¼ grain (16 mg.)
for young children (under 8 years)

in a specially prepared bland base designed for rapid release and rectal absorption of the active salt.

Unless otherwise indicated, adult strength will be supplied upon prescriptions and orders.

Distributors

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Malt and Cod Liver Oil

With the flavour that **CANNOT** be copied

We are the premier firm supplying
Chemists "own name" packs

IMPORTANT

Make sure of your stocks
against the possibility of
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GALLIC ACID PYROGALLIC ACID

(RESUBLIMED, PURE CRYSTAL AND TECHNICAL)

AND DERIVATIVES

WHOLESALE AND EXPORT ONLY

J. L. ROSE, LIMITED, FRESH WHARF, HIGHBRIDGE ROAD, BARKING, ESSEX

Brown-Glo

a creation of L'OREAL · PARIS

The **NEW** semi-permanent colouring that restores completely **NATURAL COLOUR** to

GREYING HAIR



COLOR-GLO created a vast new hair colouring market among younger women. Now comes **BROWN-GLO**, a sister product which conceals greying hair: *backed by a powerful and regular advertising campaign in the Women's Magazines (over 12 million readers).*

The first of its kind in the world, **BROWN-GLO** will bring about another hair colouring revolution. At last, a woman with unwanted greying hair can buy a semi-permanent hair colouring that will conceal her grey hair absolutely naturally, and have all the following reassuring advantages.

- * It is not a dye—not a rinse.
- * It is absolutely harmless, and foolproof.
- * It survives shampooing and the effects last 4 to 5 weeks before requiring renewing.
- * Although it conceals her greying hair, the user still retains her natural colouring.
- * Because it is semi-permanent, she can return to her natural grey.
- * **BROWN-GLO** cannot rub off on clothes or pillows or run when wet.
- * It's good for the hair—improves its condition.
- * It does not affect permanent waving.

Millions of women have unwanted grey hairs. Every one is a potential user of **BROWN-GLO**, and once they begin to use it, they will go on buying it every 4 to 5 weeks.

There is big new profit for you—make no mistake about that. A great volume of sales is a certainty. All the drive, sales "know-how" and successful advertising technique that made **COLOR-GLO** a big seller from the word go is behind **BROWN-GLO**.

Advertising for this revolutionary hair colouring is now appearing in the big circulation women's magazines. Grey haired women all over the country will be asking for **BROWN-GLO**. You must have some on your counter. Order from your Wholesaler *now*, he has stocks available.

Brown-Glo

Trade price 28/10 per doz.
plus 90% tax

Retails at 5/9 per tube.

Packed in a tube inside an individual display carton with instruction leaflet and sponge applicator.

There are six shades, which we suggest are ordered in the following proportions:

Mid Brown	25%
Mid Warm Brown	15%
Dark Brown	20%
Dark Warm Brown	15%
Light Brown	12½%
Light Golden Brown	12½%

A SISTER PRODUCT OF COLOR-GLO . . . FASTEST SELLING HAIR COLOURING PRODUCT

Cash in on this fashion trend



for coloring hair up to 50% Grey

SEMI-PERMANENTLY

Sensational new Progressive hair magic

BROWN Shades

BY INECTO

Wonderful news for the millions of women beginning to go grey.

With BROWN, ASHEN BROWN and CHESTNUT BROWN 'Progressive' series of Hair Magic they can now so easily conceal their grey hair, blending it with their natural brown colour. Harmless and foolproof, no skin test required.

Also available—Smoky Gray to give an even dark grey tone to grey hair, and Damson for a lovely deep auburn effect on black, dark or medium hair.

From your usual wholesaler.

Stock up now to meet the demand.

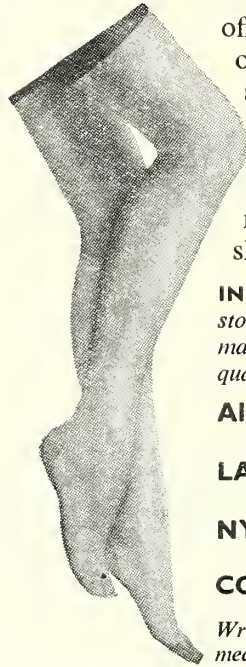
3/2 (INC. P.T.) RETAIL 4/6

Advice Bureau:

INECTO HOUSE, 27 DOVER STREET, LONDON, W.1.
HYDe Park 7541 (12 lines)

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COLBY



offer 48-hour delivery of Nylon or Lastex yarn stockings in stock sizes.

Individual hose made to special requirements at short notice.

INVISIBLE under ordinary stockings, beautifully made of finest quality materials.

All-way stretch NYLON

★
LASTEX Two-way stretch

★
NYLON-COTTON NET

★
COTTON NET

Write for list of sizes & prices, measurement charts, etc.



COLBY PRODUCTS LTD., 314 EUSTON ROAD, LONDON, N.W.1

BEST-SELLERS ALL the year round!

'Sun-tang'

'NIAGARA' Blackcurrant Syrup

Sun-tang—made from whole oranges, sugar and glucose—contains Vitamin C, essential to good health.

Niagara—made from Blackcurrant juice and sugar—rich in Vitamin C—the perfect drink for young and old alike.

More customers are asking for both these delicious, health-giving drinks. Meet the extra demand by ordering ample stocks NOW and make sure of year-round profits.

BARNETT & FOSTER LTD.

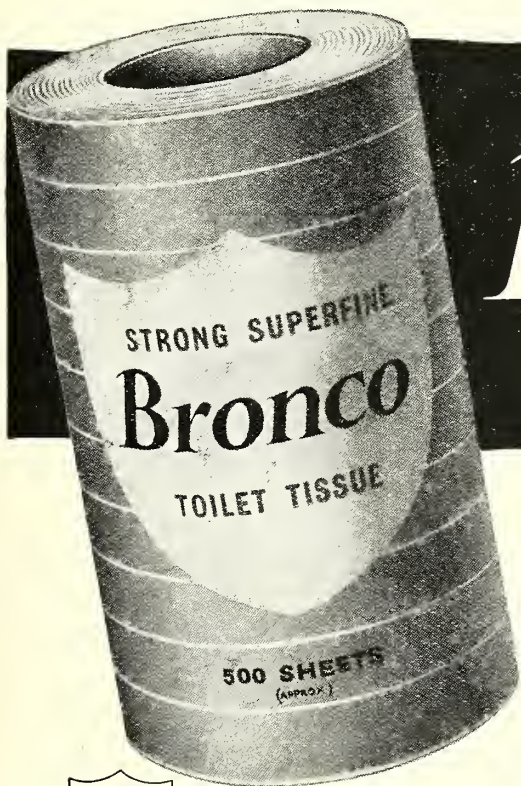
QUEENSBIDGE ROAD, LONDON, E.8. Tel.: CLIssold 7132

Starting March 1st!

FOR THE FIRST TIME EVER...

DISPLAY BONUS OFFER FOR

Bronco



Ask your wholesaler for details

First, a brand new wrapper—then this special introductory bonus offer . . . that's the way Bronco boosts *your* sales! It's the first-time ever Bronco bonus offer and it's bound to be a winner! Telephone your wholesaler now and ask him for full details. Then rush in those orders. You can't afford to miss this opportunity!

STARTING IN MARCH!

***Big hard-selling advertisements
in national newspapers and magazines!***



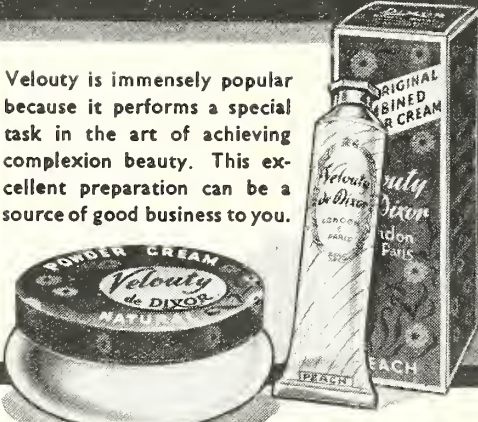
it's a healthy sign

THE BRITISH PATENT PERFORATED PAPER CO. LTD., ATLAS WORKS, BERKSHIRE ROAD, HACKNEY WICK, E.9

Velouty

de DIXOR

POWDER CREAM



Velouty is immensely popular because it performs a special task in the art of achieving complexion beauty. This excellent preparation can be a source of good business to you.

Shades
IVORY NATURAL PEACH SUNGOLD
OCHRE APRICOT and RACHEL
 TUBES No. 2 No. 3
 TRADE 7/6 doz. 12/3 doz. RETAIL 1/6 ea. 2/6 ea.
 JARS: TRADE 17/2 doz. RETAIL 3/6 ea.

Velpuff

CREAM

POWDER COMPACT

Velpuff is a perfect creamy base, with the softest, finest powder. Ready to be smoothed on with its own puff, it stays matt for hours.

LUXURY CASE WITH MIRROR
 Retail 6/9 each
 WHOLESALE 33/6 per doz.
 4 SHADES
 FASCINATION (Natural)
 ENCHANTMENT (Rachel)
 MYSTIC TOUCH (Peach)
 IRRESISTIBLE (Brunette)
 Also No. 1 Size (Metal Case)
 Retail 3/9
 Wholesale 18/8 doz.



DIXOR Limited ST. LEONARD'S RD
 MORTLAKE LONDON, S.W. 14

Do not disappoint your customers —stock and display

Askit

Powders and tablets for the safe and speedy relief of headaches, colds, chills, rheumatic and nerve pains.

EX ALL LEADING WHOLESALE HOUSES



IPECAC SENEGA MENTHOL

and all other Botanicals, Gums, Waxes, Essential Oils and Spices

JOHN KELLYS (LONDON) LTD.
 24 OLD BROAD STREET, E.C.2

Telephone: LONDON Wall 6585 (4 lines)
 Telegrams: "Ergotine, Stock, London"

NEW YORK HAMBURG

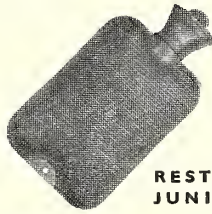


When you
are re-ordering
your hot water bottles

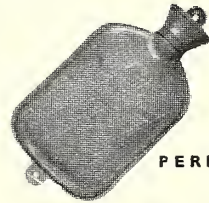
make sure they're



RESTWELL



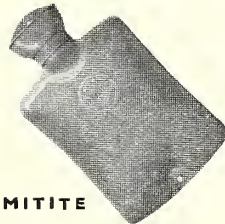
RESTWELL
JUNIOR



PERFEX NO. 3



ATALANTA



HUGMITITE



FABRIC

From your wholesaler. In case of difficulty write to:

J G. INGRAM & SON LTD., HACKNEY WICK, LONDON, E.9

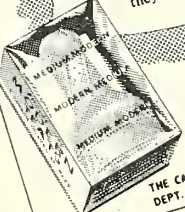
Week. on we read. have phony concert or just and relax. shyly she told me of her mance. She met "Mr. Three times a"

not busy weaves fine for cushions and And there's all

***FREE**
Have you had a copy of the charming 'Modern' Baby Diary yet? If not, write for one today!



Babies need to get their food easily and naturally if they are to be healthy and contented. The triple perforation in 'Modern' teats means that the food is diffused into baby's mouth in an even, natural flow—providing it has been strained through a piece of muslin before being placed in the bottle. The spiral strengthening prevents buckling and they stand repeated sterilisation, giving them a long life, yet they cost only 7½d. each.



'Modern' Teats are made in three flow sizes, so be sure to buy the right size for your baby. Look for the colour on the pack—Red, large perforation; Green, medium; Blue, small.

THE CANNON RUBBER MANUFACTURERS LTD.
DEPT. 16 ASHLEY ROAD, TOTTENHAM, N.17.

**LARGE NATIONAL ADVERTISING SCHEME
TO ATTRACT MORE CUSTOMERS FOR YOU!**

MAKE SURE YOU HAVE AMPLE STOCKS TO MEET THE DEMAND

FOR "MODERN" ANTI-COLIC TEATS

'Modern' Teats are widely and nationally advertised, so make sure that you have a good supply in stock by ordering now from your usual wholesaler. With their triple perforation and spiral reinforcement, they are preferred by mothers because they give "Nearest to Natural" feeding. Individually packed in a two-dozen display outer, they retail at 7½d. each and are available in three flow sizes, easily distinguishable by the colours on the packs—red for large perforation, green for medium and blue for small.

ORDER TODAY!

THE CANNON RUBBER MANUFACTURERS LTD.

Ashley Road, Tottenham, London, N.17

SURE-SELLING STOCK!
OVER 150 YEARS REPUTATION

KEARSLEY'S

THE ORIGINAL

WIDOW WELCH'S FEMALE PILLS

Over 1/9 BOX PROFIT by ordering 1 dozen 6/5 size. Bonus given on every dozen (13). It pays to push this size.

C. & G. KEARSLEY LTD.

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Established 1787 in the Reign of King George III

Comfort **SANITARY** Economy



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Prepared primarily for pharmacists, the Dictionary is indispensable also for pharmaceutical manufacturers, advertising agents concerned with the marketing of medicinal products and indeed all who have to find their way around among the multifarious medicinal compounds of modern times.

Order direct from: **THE CHEMIST & DRUGGIST**
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MANUFACTURER'S OFFER OF STEEL SHELVING

- Brand new — Manufactured in our own works
- Shelves adjustable every inch
- Heavy gauge shelves will carry 400 lb. each
- Stove enamelled bronze green
- 6 shelves per bay — extra shelves 8/- each
- Quantity discounts

72" High
34" Wide
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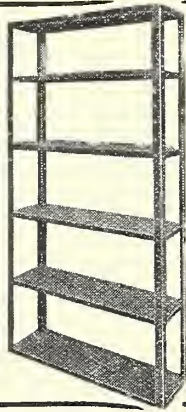
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DELIVERED FREE £3 15s.

Ready for Erection

N. C. BROWN LTD.

SHELVING DIVISION · EAGLE STEEL WORKS
METWOOD · LANCAS



and All-Steel DRAWER UNITS



The Standard drawer, 5 in. wide x 3 in. high x 11½ in. long containing one free divider and drawer card. Sample will be sent on request.

20 of these drawers are contained in the "INDUSTRIAL TWENTY." Overall size, 42 in. high x 13 in. wide x 12 in. deep. Delivered free £7.15.0.

Send for leaflets of other sizes. Stove Enamelled Bronze Green.





Jayskin

two-way stretch

**SURGICAL
ELASTIC
HOSIERY**

To N.H.S. Specification

ALSO IN NYLON

Attractively Boxed

SELF MEASUREMENT FORMS

"MADE TO MEASURE"
hosiery, usually despatched
same day as receipt of order.

Invisible under the stocking

WOOD, BASTOW (ELASTICS) LTD

Dove Green, Selston, Notts. Telephone: Pinxton 474/5/6
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**VITAMIN
SUPPLEMENT
FOR ALL AGES**

Here is a liquid vitamin supplement that is truly delicious — Vitavel Syrup. This careful blend of real orange juice and liquid glucose with vitamins A, B₁, C and D is readily accepted by patients of all ages and dispositions.

One fluid ounce contains at time of manufacture:—

VITAMIN A 20,000 i.u. VITAMIN D 3,000 i.u. VITAMIN B₁ 4 mg.
VITAMIN C 80 mg. LIQUID GLUCOSE B.P. 25% w/v.

Basic price to N.H.S. 6 fl. ozs. 2/6, 40 fl. ozs. 16/-

BEMAX *stabilized wheat germ*

This richest natural vitamin-protein-mineral supplement offers easily digested nutritional support for patients of all ages.

PREGNAVITE *during pregnancy*

A comprehensive vitamin-mineral supplement specifically designed to supply the enhanced dietary needs of pregnancy.
Basic price to N.H.S. 1,000 tablets 32/9.



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CHEMIST AND DRUGGIST

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Specially spaced Advertisements, including:—Public and Legal Notices, Sale by Auction, Appointments, Contract Work, Patents, Partnerships, 18/- per 1/2 inch minimum and pro rata. Box 2/-. Clearances and Wants, Businesses for Disposal and Wanted, Premises, Agents Wanted, Agencies Wanted, Miscellaneous, 17/6 for 36 words minimum; then 4d. per word. Box 2/-. Situations Vacant, 12/- for 36 words minimum, then 4d. per word. Box 2/-. Situations Wanted, 3/- for 18 words minimum; then 2d. per word. Box 1/-. Replies to Box numbers should be addressed to:—The Chemist and Druggist, 28 Essex Street, Strand, London, W.C.2. Phone: CENTral 6565.

ORRIDGE & COMPANY

184 STRAND, W.C.2
Tel: TEMple Bar 9212/3 & 6340

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PREMISES TO LET

FIRST-CLASS POSITION for chemist. Excellent lock-up shop to let in busy Hampstead thoroughfare. Very reasonable rental. Please enquire to Norris Gilbert & Co., Accountants, 93 Regent Street, W.1. Tel.: Reg. 1933.

C 1340

SHOP TO LET. Completely fitted as chemist/drug store. Good position near market. Moderate rent. For particulars write to Delia, 19 Ludlow Way, N.2.

C 1317

BUSINESSES FOR DISPOSAL

DRUG STORES FOR SALE, Birmingham area, ideally situated for conversion to pharmacy. Leasehold, lock-up shop. Est. nearly 20 years. Genuine reason for selling. Quick disposal essential. Sub-let considered. No agents please. Box C 1334.

FOR SALE as going concern, established, well-fitted pharmacy in good provincial town in Northern Ireland. Living accommodation. Loan can be arranged on property. Owner retiring. Box C 1299.

RETAIL chemist's business for sale, main thoroughfare, Glasgow, South. Apply, Brechin, Welsh & Risk, Solicitors, 24 George Square, Glasgow, C.2.

C 1322

BUSINESSES WANTED

AN ACTIVE Public Company wishes to purchase toilet, cosmetic or proprietary medicine business preferably of substantial size although smaller, old-established businesses would be suitable. Will also consider other manufacturing units operating in the Chemist, Grocer or Hardware fields. Communicate in strictest confidence with Managing Director. Box C 364.

APPOINTMENTS

**DULWICH HOSPITAL,
EAST DULWICH GROVE, S.E.22**

Assistant-in-Dispensing

required for holiday relief work from 3rd to 29th March inclusive. Whitley Council rate of pay based on age and experience. Apply to Chief Pharmacist or Group Secretary, Camberwell H.M.C.

C 7673

**CENTRAL GROUP HOSPITAL
MANAGEMENT COMMITTEE**

Senior Pharmacist and Pharmacist

required at Bethnal Green Hospital (350 Acute beds). The department has recently been modernised and is approved for training students. N.H.S. Scale within the range £680-£870 for Senior Pharmacist and £600-£815 for Pharmacist, plus appropriate higher qualification allowance. Apply with details of age, training and experience to the Group Secretary, 213 Kingsland Road, London, E.2.

C 344

**ESSEX COUNTY HOSPITAL,
COLCHESTER**

Senior Pharmacist

required at the above hospital. Salary according to Whitley Council scale, i.e., £650 x £30-£830 per annum. Interesting post including dispensing for other hospitals in the Group. Applications, with names of two referees should be addressed to the Secretary, Colchester Group Hospital Management Committee, 14 Pope's Lane, Colchester.

C 7661

**DULWICH HOSPITAL,
EAST DULWICH GROVE, S.E.22**

Pharmacist (part-time)

required for five afternoon sessions weekly. Payment at the rate of 33s. a session. Applications with names of two referees to Group Secretary, Camberwell H.M.C.

C 7674

**FULHAM HOSPITAL,
ST. DUNSTAN'S ROAD, W.6**

Assistant-in-Dispensing

Applications are invited for the above position at Fulham Hospital. Salary according to age and experience. Hospital is within five minutes' walk of Hammersmith Station. Applications to Hospital Secretary. (C.D. 146).

C 7668

**GENERAL HOSPITAL,
MARGATE**

Deputy Chief Pharmacist (Category IV)

Whitley Council salary scale—£675 to £910 per annum. Applications, stating age, qualifications and experience, with names of two referees, to the Hospital Secretary.

C 375

**HAMMERSMITH HOSPITAL
AND POST-GRADUATE
MEDICAL SCHOOL,
DU CANE ROAD, LONDON, W.12**

Locum Pharmacist

required for following periods: April 7-26; May 12-June 28, or part period; end July and early August. Salary by arrangement. Detailed applications to Chief Pharmacist.

C 7665

**HOSPITALS FOR DISEASES
OF THE CHEST**

Pharmacist or Senior Pharmacist

Applications are invited for the above post at the LONDON CHEST HOSPITAL. Salary in accordance with the Whitley Council scales. Applications, stating age, qualifications and experience, accompanied by two testimonials, to the House Governor, London Chest Hospital, E.2.

C 7631

**HOSPITAL MANAGEMENT
COMMITTEE No. 9, WAKEFIELD,
"A" GROUP**

There are vacancies for the following staff:—

Chief Pharmacist

at the General Hospital, Wakefield (158 beds). Salary in accordance with Category II of the Whitley Council Scales, £725 rising to £990 per annum.

Pharmacist

based at Clayton Hospital, Wakefield. Excellent opportunity to obtain wide experience in hospital work as department provides a service for all hospitals in the Group. Salary in accordance with Whitley Council scales, £580 rising to £785 per annum.

Student Pharmacist (post-graduate)

based at Clayton Hospital, Wakefield. This post is available to students who require the course of practical training before registration as a Pharmaceutical Chemist. Salary £385 per annum. Application forms obtainable from the Group Secretary, 113 Northgate, Wakefield.

C 7663

**LAMBETH HOSPITAL,
BROOK DRIVE, S.E.11**

Assistant-in-Dispensing

required at the above hospital. Whitley Council rates of pay and conditions. Applications, in writing, giving names of two referees to the Secretary.

C 376

**KENT AND CANTERBURY
HOSPITAL,
CANTERBURY**

Senior Pharmacist

required for the Group Pharmaceutical Department. This post offers excellent experience in all branches of pharmacy. This department services the Canterbury Group comprising eleven hospitals with a total of approximately 850 beds. Salary (Category IV hospitals) £650 x £30 (6)—£830 per annum. Higher qualifications allowance payable as appropriate. The Group Pharmacist will be pleased to answer any enquiry either by telephone or letter concerning the duties of the post. Applications with full details and copies of three testimonials to be forwarded as soon as possible to the Group Secretary, Central Office, Nunnery Fields Hospital, Canterbury.

C 7625

**LAMBETH HOSPITAL,
BROOK DRIVE,
LONDON, S.E.11**

(Acute General Hospital—510 beds)

Senior Pharmacist

Applications are invited for the post of Senior Pharmacist in an expanding department. Salary (plus London Weighting) in accordance with Whitley Council scale.

Applications stating age, experience, qualifications and names of two referees to Secretary.

C 361

**LONDON HOSPITAL ANNEXE,
ONGAR ROAD,
BRENTWOOD, ESSEX**

(200 beds)

Assistant-in-Dispensing

required. Preference given to candidate holding the Certificate of the Society of Apothecaries. Salary in accordance with Whitley Council Scale. Write to House Governor, The London Hospital, Whitechapel, E.1.

C 371

**ROYAL FREE HOSPITAL,
GRAY'S INN ROAD, W.C.1**

Locum Pharmacist

required at the above hospital from June to September. Salary 16 gns. per week. Applications, together with names and addresses of two referees, should be addressed to Group Chief Pharmacist, Royal Free Hospital, Gray's Inn Road, W.C.1.

C 7630

**ROYAL BERKSHIRE HOSPITAL,
READING**

(Category V)

Senior Pharmacist and Pharmacist

required in Group Pharmaceutical Department, facilities for obtaining wide experience in pleasant surroundings. Staff of eleven. No Sunday duties, frequent 5-day weeks. Apply giving the names of two referees to Group Pharmacist.

C 369

**ROYAL FREE HOSPITAL,
GRAY'S INN ROAD, W.C.1**

Pharmacist

Applications are invited for the post of Pharmacist at this hospital. Salary in accordance with Whitley Council scale. Applications, with names of two referees, should be addressed to the Group Chief Pharmacist, Royal Free Hospital, Gray's Inn Road, W.C.1.

C 7641

UPJOHN OF ENGLAND LIMITED

wish to appoint an additional medical representative for Northern Ireland, excluding Belfast. Applications are invited from young pharmacists 24-34 years of age who feel their future lies in a sales career. Previous experience as a representative is not essential as full training will be given for this appointment, which carries with it a good salary, expenses and the use of a Company car. A superannuation and life assurance scheme is in operation. The successful applicant will be required to live centrally in the territory. Applications to Home Sales Manager, Upjohn of England Ltd., Crawley, Sussex. C 7666

Appointments—Continued**SELLY OAK HOSPITAL,
BIRMINGHAM, 29**

Deputy Chief Pharmacist (Category V) required immediately. Duties include supervision of department and aseptic production. Salary within Whitley scale—£725 to £990. State full particulars, naming two referees in application to Administrator. C 7650

**ST. BARTHOLOMEW'S HOSPITAL,
LONDON, E.C.1**

Locum Pharmacists required from April 8 to end of August. Salary at the rate of £16 16s. per week. Applications, in writing, giving details to Chief Pharmacist. C 7670

**ST. MARK'S HOSPITAL,
CITY ROAD, LONDON, E.C.1
(Post-graduate Teaching Hospital)**

Pharmacist Applications invited for the appointment of Pharmacist at this Surgical Hospital. Some knowledge of preparation of sterile solutions desirable. Whitley salary scales and conditions. Service in retail pharmacy, etc., will be taken into account in deciding the commencing salary. *A LOCUM WOULD BE CONSIDERED.* Detailed applications to Secretary. C 7646

**THE UNITED BIRMINGHAM
HOSPITALS,
THE QUEEN ELIZABETH
HOSPITAL,
EDGBASTON, BIRMINGHAM, 15**

Pharmacists Applications are invited from Pharmacists for a resident post providing a unique introduction to Hospital Pharmacy. Encouragement is given to useful research. Salary in accordance with Whitley Council scale, less a deduction of £140 per annum for full board residence. Applications giving names of two referees, to the Chief Pharmacist. C 7640

**THE UNITED BIRMINGHAM
HOSPITALS,
THE QUEEN ELIZABETH
HOSPITAL,
BIRMINGHAM, 15**

Pharmacist Applications are invited for appointment in the hospital Pharmacy. Salary in accordance with Whitley Council scales. Applications giving names of two referees to the Chief Pharmacist. C 7652

**HEALTH CENTRE
SWINDON HEALTH CENTRE**

Deputy Chief Pharmacist Applications invited from pharmacists for superannuable appointment of Deputy Chief Pharmacist at above Health Centre. Salary on scale £675—£910 p.a.—39-hour week. Living accommodation may be available if required.

Applications stating age, qualifications, experience and names and addresses of three referees to be sent as soon as possible to the Clerk of the Council, County Hall, Trowbridge. C 367

**SITUATIONS VACANT
RETAIL HOME**

COVENTRY (CENTRAL). Pharmacist required for high-class business. Reply, giving full particulars and salary required to Box C 1297.

MEDICAL REPRESENTATIVE

A well-known firm of manufacturing chemists requires a medical representative to interview doctors, hospitals and chemists in the

**EASTERN COUNTIES
Car and expenses provided
Pension Scheme**

Apply giving age, full details of qualifications and experience, and state salary required. Residence in West Essex preferred. Box C 7664.

**ASSISTANT TO DIRECTOR
OF MEDICAL DEPARTMENT**

Pharmaceutical or equivalent qualification essential and representative experience an advantage. Age not exceeding 35. The Company has a rapidly expanding interest in the 'ethical' field and the appointment calls for energy and imagination. This position offers an attractive future to the right man. Contributory pension scheme. Applications, treated in strict confidence, to Medical Director, Westminster Laboratories, Ltd., Chalcot Road, London, N.W.1. C 7645

BRITISH SCHERING, LTD.,

manufacturers of speciality products for use in medicine and agriculture, require a technical copywriter on a whole- or part-time basis.

The successful applicant will be required to prepare medical and agricultural copy for direct mail, Press advertising and booklets and will be required to demonstrate a high standard of literary ability. Editorial experience with a technical or medical journal or experience as a technical or medical copywriter in an advertising agency would be an advantage.

Adequate advice and guidance will be provided by medical and technical executives of the company.

Applications in confidence with a summary of career to date, salary required and other relevant information should be forwarded to the Advertising Manager, British Schering, Ltd., 229-233 Kensington High Street, London, W.8. C 7658

CARLTON LABORATORIES, LTD., require a medical representative for Lanes, must live in the area. Previous experience is desirable, and remuneration is by salary, expenses, and a bonus. This post offers exceptional prospects to the right man. Write, Sales Director, 2 Norfolk Square, Brighton, Sussex. C 1328

EXPANSION OF SALES FORCE

The manufacturers of nationally known household products require experienced representatives in the following areas:

1. Tees & Tyneside.
2. Yorkshire (West Riding).
3. North London and Herts.

Nucleus of first-class connection will be handed over to successful applicants and there are excellent prospects for the future.

Remuneration by salary, commission and expenses. Staff superannuation. Car owner essential. Reply giving full details of career to date, age and when available to Box C 7675.

REPRESENTATIVE required by old-established firm. London and environs South of the Thames. Substantial flat salary and motor car. Permanency. Representative with knowledge of pharmacists in the above stipulated area preferred. Box C 7667.

EALING AREA. A vacancy will shortly arise for an experienced pharmacist to manage a branch establishment in this area. There is attractive accommodation and the salary structure will be commensurate with the duties involved. Applications in first instance to Box C 1338 when an appointment will be arranged to discuss the position.

HAMMERSMITH. Pharmaceutical Chemist required to manage a substantial business. There is a good supporting staff and the salary will be commensurate with the responsibilities. A semi-detached house is available if required. Applications giving full details to Box C 1336.

KETTERING. Manager or Managers required for pleasant family business; modern shop. Hours of business 9-6. No rota duties. The position is permanent with ample scope for further development. Good living accommodation will be available. Applications, with full particulars of career, should be addressed to the Superintendent Chemist, Kettering Co-operative Chemists, Ltd., 23 King Street, Kettering. C 1326

MARCH, CAMBRIDGESHIRE. A Manager is required for our branch pharmacy. This is a permanent superannuated post with a commencing wage of £1,050 per annum. We have a large modern shop with a staff of six and there are excellent prospects in congenial surroundings. Modern attractive house available at a reasonable rent. Existing holiday arrangements will be honoured. Apply to Peterborough Co-operative Chemists, Ltd., Park Road, Peterborough. C 1332

MARYLEBONE. Experienced managing pharmacist required for a business which offers scope for extension and development. There is a substantial salary structure, along with other benefits. Applications in first instance to Box C 1337.

PHARMACIST REQUIRED, either sex, for a pleasant and congenial business in Thames suburb. Accommodation if required. Swan, 145 St. Margarets Road, Twickenham. Phone: Popesgrove 3231. C 1300

LOCUMS WANTED

CAMBRIDGESHIRE. Locum Pharmacist required at our March Branch for two months commencing April 8. This is a modern shop with a staff of six. Duties are light and mainly dispensing, would suit recently qualified person. Please forward usual details and terms to Superintendent Chemist, Peterborough Co-operative Chemists, Ltd., Park Road, Peterborough. C 1333

WHOLESALE**ALLIED LABORATORIES LTD.**

Medical Representative required for:
1. S.E. London and Kent.
2. Glasgow.

These are established areas and previous experience is desirable but not essential. A sound medical or pharmaceutical background, current driving licence and residence in the territory are necessary. Remuneration is by salary, commission and expenses, and company car provided. Life Assurance/Pension Scheme in operation. Full details, including career to date, to Sales Manager, Allied Laboratories, Ltd., 140 Park Lane, London, W.1. C 7624

UCAL

Applications are invited for a first-class Representative to cover good established area in W. Hants, Dorset, Devon, Cornwall, South Wiltshire. Preference will be given to applicants with experience and wide knowledge of all aspects of the Chemists' Trade.

Permanent post with ample opportunities, and good remuneration. Write giving fullest personal details, age, present salary, etc., in strict confidence, to Sales Manager, United Chemists Association Limited, UCAL WORKS, Cheltenham.

C 7662

CIBA**MEDICAL REPRESENTATIVES**

Applications are invited from young pharmacists for the following territory:

Kent and East Sussex.

Previous experience unnecessary as the selected men will be trained. Car provided and full expenses paid. Progressive salary and pension scheme. Apply in writing with full particulars of age, education, qualifications and experience, to the Sales Manager, CIBA Laboratories Ltd., Horsham, Sussex. C 7579

**CALMIC LIMITED,
CREWE**

wish to engage a PHARMACIST for a permanent position in their Development or Analytical Laboratories. The work is varied and interesting and carried out in ideal conditions. Good salary. Pension Scheme.

Applications in confidence to:

Technical Director, Calmic Ltd., Crewe.

C 7647

**GEIGY PHARMACEUTICAL
COMPANY, LTD.**

require two outstanding

medical representatives for the Midlands

Although applications from experienced men who are pharmacists will be welcome we would also like to hear from Hospital or Retail Pharmacists. In order to get the right men we are prepared to pay a very good salary and liberal expenses. A new car will be waiting for the successful applicants and there are generous existing schemes for pension and bonus. Please let us have full details of your career, which should be addressed to the Sales Manager, Geigy Pharmaceutical Co., Ltd., Roundthorn Estate, Wythenshawe, Manchester, 23. C 7676

Situations Vacant—Continued**LEDERLE LABORATORIES
DIVISION****CYANAMID OF
GREAT BRITAIN, LTD.,**

require a
MEDICAL REPRESENTATIVE
for the London district

Applicants, aged 25-35, should have a pharmaceutical background, and selling experience would be an asset. Remuneration is by salary, with Prize scheme, expenses, company car, pension scheme. Fully-detailed applications, which will be acknowledged, should be addressed, in complete confidence, to Personnel Manager, Cyanamid of Great Britain, Ltd., Bush House, London, W.C.2. C 7654

MEDICAL REPRESENTATION

PHARMACISTS or men with extensive Pharmaceutical backgrounds are invited to apply for appointments as Medical Representatives.

The main requirements are a knowledge of modern therapeutics, pharmacy and selling. In addition, enthusiasm, imagination and integrity are essential.

The company offers a good basic salary in addition to a pension and life cover, provides a car and operates a bonus scheme.

When applying please give full details of self and career to date, and state which area of the United Kingdom you are interested in. Replies to Box C 7522.

TABLET COATER Applications invited from experienced tablet coaters by a firm of manufacturing chemists in West London, Five-day week. Write stating age, experience and salary required (good wages to right man) to Box C 7651.

**MAY & BAKER, LTD.,
DAGENHAM, ESSEX**

have a vacancy for a graduate Chemist in their Analytical Development Laboratory to develop chemical and physico-chemical methods of analysis. Applicants with experience in analysis are preferred but recently qualified graduates will be considered. An interest in this type of work and a high standard of practical competence are essential. Five-day week. There is a Pension Fund and Life Assurance Scheme in operation. Apply initially in writing to the Personnel Officer, quoting Reference No. 197. C 7638

**SMITH & NEPHEW
PHARMACEUTICALS, LTD.****MEDICAL REPRESENTATIVES**

Owing to expansion and re-organisation, Smith & Nephew Pharmaceuticals, Ltd., invite applications from Pharmacists for the position of Medical Representative in the following areas:

1. Scotland.
2. Middlesex, Essex, and London North of the Thames,

Previous experience, whilst desirable is not essential as adequate training will be given. The work of our Medical Representatives is strongly backed by the close integration of the Company with the Group's Research Organisation. Salary in accordance with experience and qualifications. Attractive pension/life assurance and bonus after qualifying period, full expenses, Company car provided. Apply in writing to Sales Supervisor.

**SMITH & NEPHEW
PHARMACEUTICALS LTD.,**
Bessemer Road,
Welwyn Garden City, Herts.

C 7671

**THE BRITISH DRUG
HOUSES, LTD.**

Applications are invited from pharmacists, aged 25 and 35, to act as Medical Representatives in the following areas:

- (a) Scotland.
- (b) The Midlands and East Midlands.
- (c) Wales.
- (d) South Essex and East London.

Applications will be welcomed from men with or without previous representative experience. The essential requirements are integrity and enthusiasm. We offer an excellent starting salary, expenses and use of a Company car. The Company has a profit-sharing scheme, a contributory pension scheme and a Life Assurance Scheme. Write giving details of education, business experience, age and territory preference (if any) to HAC/JLH, The British Drug Houses, Ltd., Graham Street, London, N.1. C 7669

REGISTERED Pharmacist wanted as Superintendent and Manager of factory in Hertfordshire. Easy reach of London. All applications will be dealt with in confidence. Write, giving full particulars to Box C 7653.

SALES EXECUTIVE with experience in selling and sales promotion of proprietary products in the pharmaceutical and allied fields. The appointment is an important one in London in a well-known company of high repute, and should attract a man under 35 years of age with a successful record of personal selling, ability to make high level contacts and with a flair for sales promotion and administration. The man appointed will be assistant to the sales director and future prospects are excellent. Non-contributory pension scheme. Full particulars to Box No. 968, Mercury House, 20 St. Bride Street, London, E.C.4. C 7655

Situations Vacant—Continued

SCOTT & BOWNE, LTD.

have a vacancy in their 4711 Sales Force, owing to retirement, for an energetic Salesman with experience of the Perfumery and Cosmetics Trade, and an eye to an assured and worthwhile future. Age 25-35. The territory consists of Lancashire, Cheshire, Westmorland and Cumberland and residence on the territory is essential. Car provided. Salary, Commission, all expenses paid, and Pension Scheme. Apply with essential information, including age, to Sales Director, Scott & Bowne, Ltd., 50 Upper Brook Street, London, W.1. C 7672

**THE BRITISH
DRUG HOUSES LTD**
Graham St., London, N.1

have the following positions for which they would welcome applications in writing (Ref. HAC).

— 1 —

YOUNG PHARMACIST

for executive work
in Home Sales Department.

— 2 —

PHARMACIST

as representative
in Scotland,
based on Edinburgh/Dundee.

— 3 —

PHARMACIST

as representative in the
Central London area.

C 7639

VETERINARY REPRESENTATIVE

Required by Manufacturing and Wholesale Chemists to call on the qualified veterinary profession in Southern England and the West Country. This is a very well established territory with good prospects of further development. Car and expenses provided with good salary and bonus. Previous experience of representation is very desirable. Apply to Box C 7453.

WHOLESALE (OVERSEAS)

ASSISTANT chemist, British, required cement works, New Zealand, must be qualified B.Sc. or equivalent. 25/40 years. House provided. Salary commencing £950, depending qualifications, experience. Reply full details to Box C 7656.

AGENTS WANTED

LONDON MANUFACTURER and distributor of nationally advertised toilet items, supplying wholesale and retail chemists, stores, etc., requires agents for South Wales and East Midlands. Eight good lines. Liberal commissions. Write Box 687, Frost-Smith Adeg., 64 Finsbury Pavement, London, E.C.2. C 7660
M.A.A.—The Badge of a good manufacturers' agent. Manufacturers requiring reputable agents are invited to communicate with the Secretary, The Manufacturers' Agents' Association of Great Britain & Ireland (Inc.), Bream's Buildings, E.C.4. Membership available to established agents only. Particulars supplied. C 4

SELLING and distributing agents wanted in Great Britain, Northern Ireland and abroad for extensive range of high-class medicinal, toilet and cosmetic preparations. Box C 1315.

AGENCIES WANTED

IRELAND. Leading manufacturing and distributing firm in Republic of Ireland is open to take on one high-class series, cosmetic and toilet preparations. Box C 1314.

SITUATIONS WANTED**WHOLESALE**

FOREMAN tablet maker desires position in London. Good experience of all kinds of tablets and machines. Box C 1335.

IRISH chemist assistant (39) with following experience: (1) seven years' retail; (2) thirteen years' wholesale; (3) one year's travelling. Wishes to do two weeks locum with company as medical representative or traveller, with a view to permanency later in year. Or what other offer? Box C 1301.

KEEN representative seeks post with wider scope. Good connections with London chemists. Also some medical detailing experience. Box C 1308.

PHARMACIST, keen to represent veterinary firm in South Wales has a proposition to make which should prove very advantageous and profitable mutually. Box C 1327.

PHARMACIST, very experienced, pending sailing N.Z. November, wants employment. Manufacturing or wholesale in London area or representative, or retail Midlands or South. Box C 1339.

REPRESENTATIVE of class; experienced, energetic, mature salesman; popular with chemists, stores most areas, desires selling position home or abroad immediately. Working knowledge of many languages. Entirely unattached. Soundest reason for changing job. Glowing references. Will undertake any remunerative sales job. Guarantees complete satisfaction. Box C 1316.

SALES MANAGER of well-known company selling nationally advertised toilet preparations, free shortly owing to a take-over, can offer a wealth of experience and unrivalled knowledge of the trade to manufacturer in the same field wishing to expand his sales effort. The very highest references will be provided and required. Box C 1330.

SON of a German manufacturer of surgical instruments, aged 22, wishes to find a position with an English firm for approximately six months, in order to gain general commercial experience and perfect his English, which is already good. Box C 7659.

YOUNG Northern Ireland pharmacist seeks position with accommodation in retail, wholesale or hospital. Married, no children. Any part of England or Wales considered. Box C 1307.

BUSINESS OPPORTUNITIES

CONSULTANT CHEMIST will act in a supervisory capacity. Undertake initiation into manufacture of pharmaceutical or cosmetic formulas. Analysis undertaken. Write, Laboratories, Dept. W., 276 Tonbridge Road, Maidstone, Kent. C 1329

**DO YOU BELIEVE IN
ADVERTISING ?**

Have you a new or established product which you think will respond to advertising? I will finance a modest "pilot" campaign to test your claims. You incur no liability. As a consideration, however, I shall require an option, on terms to be agreed beforehand, to take up an active and financial interest in your business. Please send full details in confidence to Box C 1325.

OUR FACTORY AT YOUR DISPOSAL. We have modern facilities for the production, under your own Brand, of preparations like bath cubes, bath salts, powder in envelopes, perfumes, talcum powder, etc., as well as technical products, e.g., disinfectant blocks, moth repellents and agricultural tablets. Write Box AC 36699, Samson Clarks, 57/61 Mortimer Street, W.1. C 7549

**MANUFACTURING AND
PACKAGING SERVICES**

Facilities available for all types of manufacturing and packaging, under qualified supervision. Apply Box C 7621.

PATENTED TWEEZER with registered trade name, suitable for factors, agents or sundriesmen in contact with chemists or hairdressers. Requiring only light press work and assembly. Good potential (not fully developed) both home and export. Write Box Z.777, c/o Streets, 110 Old Broad Street, E.C.2. C 7612

SILICONE Rubber Bands, Gumma sheet, bottle cap liners, washers and mouldings made to specification. Isc (Rubber), Ltd., 34-36 Somerford Grove, London, N.16. C 241

WANTED

ALL KINDS OF BOTTLES, JARS, SCREW CAPS, cartons, packaging materials and manufacturers' stocks of all kinds bought at fair prices for spot cash. We are buyers of merchandise of EVERY DESCRIPTION. Clearance Stocks. Discontinued lines. Surplus and Redundant Stocks. Should you have anything for disposal, please send us samples and particulars. Reliance Trading Co., 75 Fairfax Road, Swiss Cottage, London, N.W.6. Tel.: Kilburn 0581 and 0038. C 153

GLASS DISPLAY CARBOYS, one or pair, small or medium size, good condition, state size, price and full particulars. Selles, 175 Hailgate, Cottingham, Yorks. C 1331

Largest cash buyers of photographic equipment of every description, outdated film and paper, etc.

SPEARS
14 Watling Street, Shudehill,
Manchester

Phone: Blackfriars 1916
Bankers: Midland Bank Ltd. C 374

PHARMACIST commencing tablet and ampoule manufacturing on medium scale requires to purchase complete second-hand plant in good condition. Please send details of units available to Box C 7643.

SECOND-HAND MANESTY SP1 or E2 tablet compressing machine, or similar type. Give full details of punches and dies available, price and where inspection can take place. Box C 1321.

WANTED: reconditioned or secondhand Kalix filling machine. Day & Sons, Crewe, Ltd., Hope Street, Crewe. Tel. No.: Crewe 2240. C 1303

MISCELLANEOUS SALES

WEIGHING MACHINE, penny-in-slot, pre-war, perfect order, £20. Buyer collects. C. Woolfons, 256 Hendon Way, N.W.4. C 1324

TENDERS**SOUTH-WEST METROPOLITAN
HOSPITAL REGION
TENDERS FOR DRUGS**

The South-west Metropolitan Hospital Pharmacists' Committee, on behalf of the participating Hospital Management Committees and Boards of Governors of Teaching Hospitals, invites tenders for the supply of drugs to various Hospitals in the Region and to certain Teaching Hospitals in London for a period of one year from

July 1, 1958

The items comprise general drugs and chemicals (including glycerin, liquid and soft paraffins, malt extract, methylated spirit and soft soap), hormone preparations, vitamin preparations, ointments, injections (including radiologicals), capsules and tablets.

Applications for tender forms should be made in writing to the Contracts Officer:—R. Grist, Esq., Supplies Department, Croydon Group Hospital Management Committee, Wickham House, 9a Lennard Road, Croydon, Surrey. Due date for return of tenders: March 17, 1958.

W. S. BENJAMIN,
Secretary to the Committee

C 7657

MISCELLANEOUS**IMMEDIATE ADVANCES**

£50 to £20,000

WITHOUT SECURITY

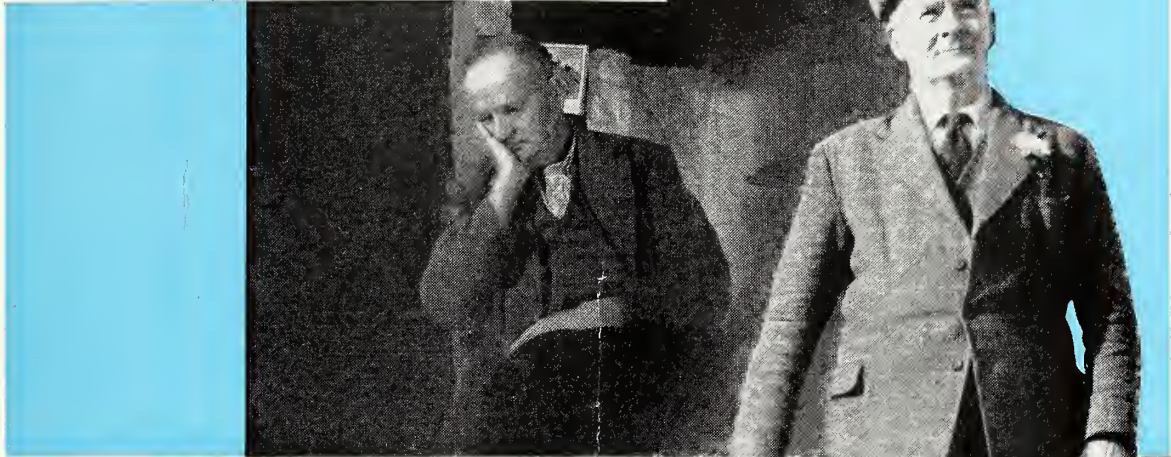
REGIONAL TRUST LTD.

8 CLIFFORD STREET
NEW BOND STREET, LONDON, W.1
Phone: Regent 5983 & 2914

C 353

MORTGAGES, re-mortgages and 2nd mortgages on all types of properties. Particulars: Spencer, 41 Spencer House, Cambridge Road, London, N.W.6. C 1323

living in the past . . .



Which factors do most to influence the elderly patient's outlook on life? Without question, *nutritional* well-being ranks high on the list. That is why GEVRAL* Geriatric Vitamin-Mineral Supplement can do so much to give your older patients a healthy zest for the days ahead—rather than a wistful yearning for years gone by. Designed to make good the dietary shortcomings so common in those past middle life, GEVRAL provides those factors that make for healthy metabolism and enhanced resistance to disease. The dosage could scarcely be simpler—just one capsule, once a day.

or looking to the FUTURE?

GEVRAL*

GERIATRIC VITAMIN-MINERAL SUPPLEMENT. *In bottles of 30 capsules.*

*REGD. TRADEMARK

Each capsule contains:

Vitamin A	5,000 I.U.	Calcium pantothenate	5 mg.	Calcium (As CaHPO ₄)	145 mg.
Vitamin D (Vioosterol)	500 I.U.	Choline dihydrogen citrate	100 mg.	Phosphorus (As CaHPO ₄)	110 mg.
Vitamin B ₁₂	1 microgram.	Inositol	50 mg.	Boron (As Na ₂ B ₄ O ₇ ·10H ₂ O)	0.1 mg.
Thiamine mononitrate	5 mg.	Ascorbic Acid (C)	50 mg.	Copper (As CuO)	1 mg.
Riboflavine (B ₂)	5 mg.	Vitamin E	10 Units	Manganese (As MnO ₂)	1 mg.
Niacinamide	15 mg.	Rutin	25 mg.	Fluorine (As CaF ₂)	0.1 mg.
Folic Acid	1 mg.	Pyridoxine HCl (B ₆)	0.5 mg.	Magnesium (As MgO)	1 mg.
Purified intrinsic factor concentrate	0.5 mg.	Iron (As FeSO ₄)	10 mg.	Potassium (As K ₂ SO ₄)	5 mg.
		Iodine (As KI)	0.5 mg.	Zinc (As ZnO)	0.5 mg.



LEDERLE LABORATORIES DIVISION *Cyanamid* OF GREAT BRITAIN LTD., London, W.C.2



COMPOUND OF MANUFACTURING & PACKAGING

A powerful stimulant for administration to those who are in need of quality preparations and revitalized forms of presentation.

DIRECTIONS

Any quantity may be taken as and when required, or as described by the literature available from the manufacturer.

ARTHUR H. COX & CO. LTD
Manufacturing Chemists since 1839
BRIGHTON · ENGLAND

APRIL2013



RIGHT

彩照

姓名:
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Unit

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Date:

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装得快文具